

ALTITUDE-VELOCITY TABLE AND CHARTS FOR IMPERFECT AIR

By
Clark H. Lewis
von Kármán Gas Dynamics Facility
and
E. G. Burgess III
Engineering Support Facility
ARO, Inc.

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Errata, AEDC-TDR-64-214, * January 1965

The formula given on page 5 for the correlation of Fay and Kemp's heat-transfer data is for frozen rather than for chemical equilibrium flow as incorrectly stated in the report. The correct correlation formula for chemical equilibrium should read (see Ref. 15)

$$\dot{q} \sqrt{r_n/p_o'} = 2080 (Nu/Re^{1/2})' (U_1/24,000)^2 (p_o'/\rho_o')^{1/4}$$

where

$$\begin{aligned} (Nu/Re^{1/2})' &= 0.47, 10,000 < U_1 < 24,000 \\ &= 0.47 (U_\infty/24,000)^{-N}, 24,000 < U_1 < 60,000 \\ N &= 0.83 - 0.11 (\log p_o') - 0.02 (\log p_o')^2 \end{aligned}$$

The following formulas were found based upon the tabulated results given in AEDC-TDR-64-214:

$$\begin{aligned} \dot{q} \sqrt{r_n/p_o'} &= 313.1 (U_1/10^4)^{2.3454} \left\{ \begin{array}{l} \pm 9\% \\ 10,000 < \text{Alt} \leq 390,000 \text{ ft} \\ 10,000 < U_1 \leq 24,000 \end{array} \right. \\ &= 713.4 (U_1/10^4)^{1.452} \left\{ \begin{array}{l} \pm 15\% \\ 150,000 \leq \text{Alt} \leq 390,000 \text{ ft} \\ 24,000 < U_1 \leq 50,000 \end{array} \right. \end{aligned}$$

Some unpublished results of Kemp[†] gave the following results (with the dimensions Btu $\sqrt{\text{in.}/\text{atm}/\text{ft}^2\text{-sec}}$) for chemical equilibrium:

$$\dot{q} \sqrt{r_n/p_o'} = 308.5 (U_1/10^4)^{2.14} \left\{ \begin{array}{l} \pm 7\% \\ U_1 \leq 32,200 \end{array} \right.$$

The corrected correlation based on the tabulated results of AEDC-TDR-64-214 and Kemp's correlation formula are shown in Fig. 5, the revised version of which is on the reverse side of this page.

* Clark H. Lewis and E. G. Burgess, III. "Altitude-Velocity Table and Charts for Imperfect Air." Arnold Engineering Development Center, Air Force Systems Command, Arnold Air Force Station, Tennessee. AEDC-TDR-64-214, January 1965.

[†] The authors are indebted to Dr. Kemp for indicating the error and for permission to publish this previously unpublished result.

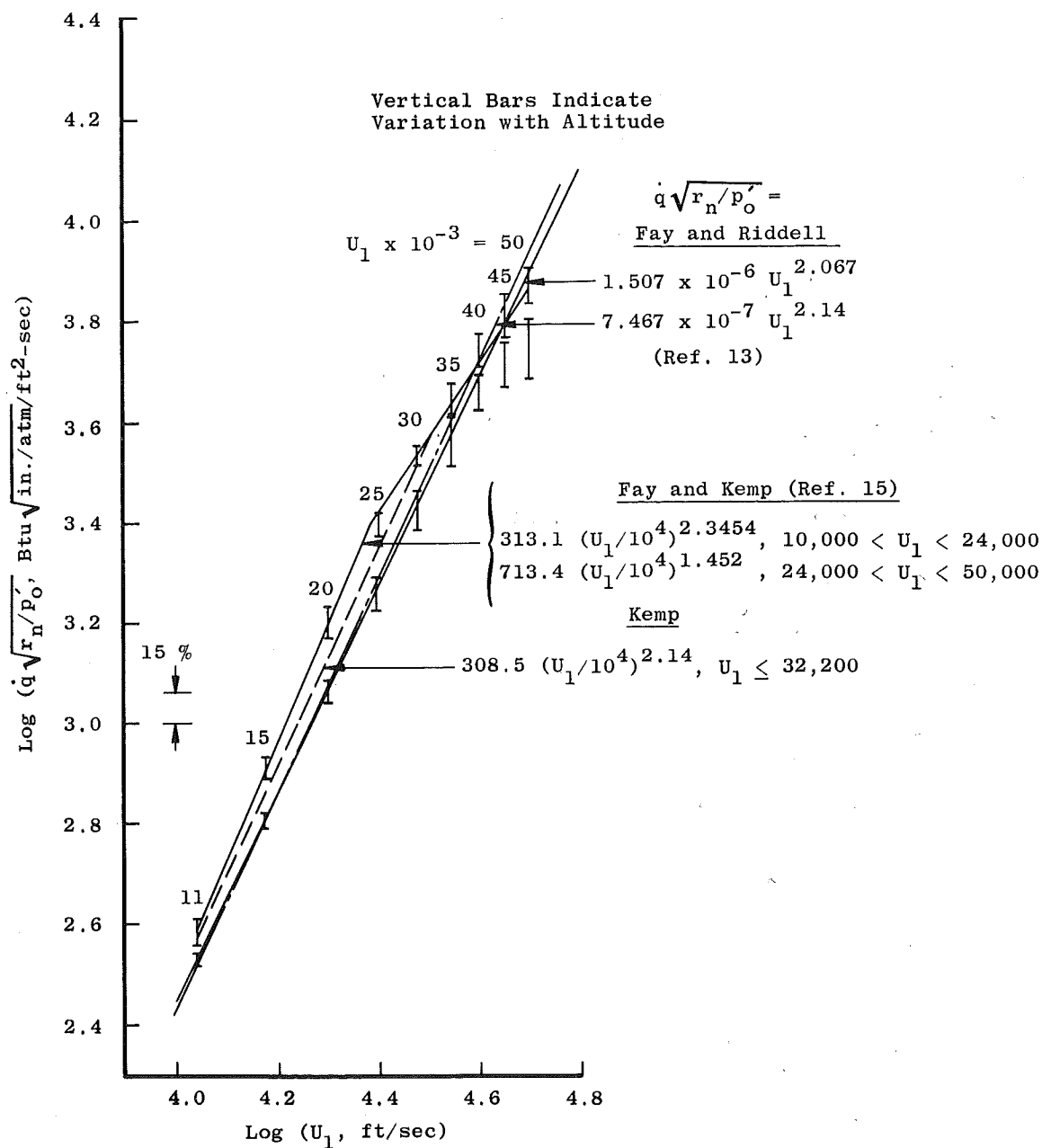


Fig. 5 Correlation Formulas for Sphere Stagnation Heat-Transfer Rates in Chemical Equilibrium

H. Saha.

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ABSTRACT

Normal shock wave parameters are presented in tabular and graphical form over the ranges of altitude = 10^4 (10^4) 4×10^5 ft and velocity = 6000 (10^3) 50,000 ft/sec. The calculations are based on the thermodynamic data of Hilsenrath and Klein (AEDC-TDR-63-161) and Lewis and Neel (AEDC-TDR-64-36) and the 1962 U. S. Standard Atmosphere.

The results are tabulated in the form of ratios of enthalpy, pressure, density, and temperature with the free-stream quantity. In addition, speed of sound, compressibility factor, sphere stagnation heat transfer rate, and free-stream unit Reynolds number are also given. Altitude-velocity charts are given for the principal quantities of interest. Correlations of sphere stagnation heat-transfer rates based on Fay and Riddell and Fay and Kemp are presented. The constant K in $(1/2) \rho_1 U_1^2 = K p_0'$ was determined to be 0.52 ± 0.01 for $U_1 \geq 10,000$ ft/sec.

PUBLICATION REVIEW

This report has been reviewed and publication is approved.



Darreld K. Calkins
Major, USAF
AF Representative, VKF
DCS/Test



Jean A. Jack
Colonel, USAF
DCS/Test

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NOMENCLATURE

a	Speed of sound, ft/sec
C_p/R	Dimensionless specific heat at constant pressure
H	Enthalpy, ft ² /sec ²
M	Mach number
M_S	Incident shock Mach number in a shock tube necessary to produce the stagnation enthalpy behind a reflected shock wave
$(Nu/Re^{1/2})'$	Parameter in the Fay and Kemp heat transfer correlation formula
p	Pressure, atm
q_1	Dynamic pressure, $\rho_1 U_1^2/2$
$\dot{q} \sqrt{r_n}$	Stagnation heat transfer rate, Btu - $\sqrt{\text{in.}}$ /ft ² -sec
R	Gas constant, ft ² /sec ² - °K
Re	Unit Reynolds number, $\rho_1 * U_1 / \mu_1$, ft ⁻¹
r_n	Stagnation point radius of curvature, in.
S/R	Dimensionless entropy
T	Temperature, °K
U	Velocity, ft/sec
Z	Compressibility factor, $p/\rho RT$
γ_E	Isentropic exponent, $(\partial \log p / \partial \log p)_S$
μ	Coefficient of viscosity, lbf-sec/ft ²
ρ	Density, amagat

SUPERSSCRIPT

*	Dimensional p in lbf/ft ² and ρ in lbf-sec ² /ft ⁴ or slugs/ft ³
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SUBSCRIPTS

0	Free-stream isentropic stagnation conditions
0'	Normal shock stagnation conditions

1	Free-stream conditions
a	Reference conditions at one atm and 273.15°K
ij	Ratio, e. g., $\rho_{ij} = \rho_i/\rho_j$
s	Conditions downstream of a normal shock
w	Wall

USEFUL CONSTANTS

$a_a =$	1087.33 ft/sec = 0.3314193 mm/ μ sec or km/sec
$p_a =$	1 atm = 14.696 lbf/in. ² = 2116.224 lbf/ft ²
$=$	1.013246 x 10 ⁶ dynes/cm ² = 760 mm Hg = 1.013246 x 10 ⁵ newtons/m ²
$R =$	3091.694 ft ² /sec ² °K = 1.98726 cal/mole°K = 6.860427 x 10 ⁻² cal/gm °K or Btu/lbm°R
$T_a =$	273.15°K = 491.67°R
Molecular Weight =	28.967 gm/mole
$\rho_a =$	2.505901 x 10 ⁻³ lbf-sec ² /ft ⁴ or slugs/ft ³ = 8.0624862 x 10 ⁻² lbm/ft ³ = 1.2914889 kg/m ³ = 1.2914889 x 10 ⁻³ gm/cm ³

1.0 INTRODUCTION

Numerous authors have computed normal shock wave parameters based on perfect gas* thermodynamic properties and various "standard" atmospheres (e. g., see Feldman (Ref. 1) and Wittliff and Curtis (Ref. 2)). At sufficiently low pressures, except for changes in standard atmosphere conditions, the results should be sufficiently accurate for most engineering purposes. However, at high pressures (or more correctly at high densities), the effects of intermolecular forces can become important and the thermodynamic properties are affected.

In addition to the imperfect gas effects on the thermodynamic properties, the interest in higher speeds and altitudes increases with time. The present results are intended to cover a larger area of the altitude-velocity map than previously available with data at intervals adequate for graphical and numerical interpolations.

The thermodynamic data were computed by Hilsenrath and Klein (Ref. 3) and include second virial corrections. Those data were interpolated and used to compute the specific heat and speed of sound data by Lewis and Neel (Refs. 4 through 6). The imperfect gas effects on the specific heat data were found to be negligible over the entire density and temperature ranges, but at high density the speed of sound data ($\gamma_E = (\partial \log p / \partial \log \rho)_S$ and a/a_a) were affected (see Ref. 6).

Lewis and Burgess (Ref. 7) computed normal shock wave properties based on the data of Refs. 4 through 6, and the results were given in the ranges $M_S = 6$ through 28 and $p_1 = 10^{-4}$ to 10^3 cm Hg where M_S is the incident shock Mach number and p_1 is the undisturbed gas pressure. Those calculations were designed for use in shock tube analysis, and they did not adequately cover the range of interest for the altitude-velocity charts included in this report. This work was performed at the Arnold Engineering Development Center (AEDC), Air Force Systems Command (AFSC), U. S. Air Force.

*The following terminology will be used in this report. An ideal gas will denote a gas obeying the equations $p = \rho RT$ and $h = C_p T$. A perfect gas will denote one obeying $p = Z\rho RT$ which includes dissociation and ionization neglecting intermolecular effects. An imperfect gas obeys $p = Z\rho RT$ but includes intermolecular (two-body interaction) forces. The term real gas is reserved for a gas under actual (experimental) conditions and is not subject to the theoretical approximations.

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2.0 GOVERNING EQUATIONS AND CALCULATION PROCEDURE

2.1 FREE-STREAM CONDITIONS

The free-stream conditions are based on the 1962 U. S. Standard Atmosphere (Ref. 8) and ideal gas equations $H_1/R = (C_p/R)T_1 = 3.5 T_1$ and

$$(S_1/R) = (S/R)_{\text{ref}} + 3.5 \ln (T/T_{\text{ref}}) - \ln (p/p_{\text{ref}})$$

where $(S/R)_{\text{ref}} = 24.689$, $T_{\text{ref}} = 100^\circ\text{K}$ and $p_{\text{ref}} = 0.01 \text{ atm}$.

The free-stream unit Reynolds number is

$$\text{Re}/\text{ft} = \rho_1^* U_1 / \mu_1 \quad (1)$$

where $\mu_1 = 3.0485 \times 10^{-8} \sqrt{T_1} [1 + (112/T_1)]^{-1} \text{ lbf-sec/ft}^2$.

2.2 NORMAL SHOCK WAVE PROPERTIES

The governing equations for an incident normal shock wave are

$$\rho_1^* U_1 = \rho_s^* U_s \quad (2)$$

$$p_1^* + \rho_1^* U_1^2 = p_s^* + \rho_s^* U_s^2 \quad (3)$$

$$H_1 + (1/2) U_1^2 = H_s + (1/2) U_s^2 \quad (4)$$

and eliminating U_s yields

$$p_s/p_1 = 1 + p_1 U_1^2 (1 - \rho_{1s}) / p_1 R T_a \quad (5)$$

$$H_s/H_1 = 1 + U_1^2 (1 - \rho_{1s}) / 2 H_1 \quad (6)$$

Equations (5) and (6) with the equation of state

$$\rho_s = \rho(p, H) \quad (7)$$

complete the system of equations in the unknowns p_s , H_s , and ρ_s .

The calculating procedure for the solution of Equations (5) through (7) was as follows: With the given free-stream conditions, an initial guess for ρ_{1s} (say $\rho_{1s}^{(0)}$) was made, and Equations (5) and (6) were solved for p_s and H_s with the aid of the empirical equations given by Lewis and Burgess (Ref. 9)* for the perfect air properties of Hilsenrath, Klein,

*An additional unpublished surface fit of the form $S = S(p, H)$ was also used. The use of this permitted us to remove the explicit dependence of the properties on S which does not appear in the system (5) through (7).

and Woolley (Ref. 10). Equation (6) was then solved for $\rho_s^{(1)}$. A comparison between $\rho_{1s}^{(1)}$ and $\rho_{1s}^{(o)}$ was made, and the procedure was repeated until $\left| \frac{\rho_{1s}^{(n)} - \rho_{1s}^{(n-1)}}{\rho_{1s}^{(n-1)}} \right| < 0.00005$. The solution procedure was repeated without change with a table-look-up procedure using the constant pressure interpolated data of Neel and Lewis (Ref. 5).

2.3 STAGNATION CONDITIONS

The stagnation conditions upstream and downstream of the normal shock were determined from $\phi_o = \phi(S_1, H_o)$ and $\psi_o' = \psi(S_s, H_o)$ where $H_o = H_1 + (1/2)U_1^2$. The stagnation conditions were determined from the constant entropy data of Neel and Lewis (Ref. 4) using a four-point Lagrange interpolation formula. The stagnation speed of sound data were determined from the data of Lewis and Neel (Ref. 6).

2.4 STAGNATION POINT HEAT TRANSFER RATE

The stagnation heat transfer rates were computed from the Fay and Riddell formula (Ref. 12) in the form given previously by Lewis and Burgess (Ref. 13) as

$$\dot{q} \sqrt{r_n} = 7.55274 \times 10^{-3} (\rho_w \mu_w)^{0.1} (\rho_o' \mu_o')^{0.4} (H_o - H_w) (p_o' / \rho_o')^{0.25}$$

where the viscosity data were determined from Hansen's data (Ref. 11), $T_w = 300^\circ\text{K}$ was assumed, and the sphere radius r_n is in inches. The Lewis number was assumed to be unity.

3.0 RESULTS AND DISCUSSION

3.1 GRAPHICAL DATA

The data are presented in graphical form in Figs. 1 to 5. The following quantities are given as parameters on altitude against velocity charts: T_o , p_o , Z_o , H_o , T_o' , p_o' , Z_o' , M_1 , Re/ft , $\dot{q} \sqrt{r_n}$, and M_s^* .

*The calculation of incident shock Mach number, M_s , assumed the undisturbed pressure to be 10^{-3} cm Hg. However, undisturbed pressures less than 1 atm would not affect the results more than a few percent.

For convenience, a graph of $H_0/R = U_1^2/2R$ is given in Fig. 1. A plot of the constant K in

$$q_1 \equiv (1/2) \rho_1 U_1^2 = K p_o'$$

is shown in Fig. 4. For the range of the present calculations, an average value of 0.52 ± 0.01 is indicated for $U_1 \geq 10,000$ ft/sec. This substantiates the frequent use of $\rho_1 U_1^2 \approx p_o'$ in hypersonic flow theories even when imperfect gas effects are included.

A plot of the heat transfer parameter $\log (\dot{q} \sqrt{r_n/p_o'})$ against $\log U_1$ is shown in Fig. 5. A least squares curve fit of the data in the range $U_1 = 6000$ to $35,000$ ft/sec and altitude = $10,000$ to $390,000$ ft produced the following formula:

$$\dot{q} \sqrt{r_n/p_o'} = 1.507 \times 10^{-6} U_1^{2.067}$$

which is accurate to within 15 percent, whereas Dietra and Hidalgo (Ref. 14) obtained

$$\dot{q} \sqrt{r_n/p_o'} = 7.1 \times 10^{-6} U_1^{2.15^*}$$

and Lewis and Burgess previously gave (Ref. 13)

$$\dot{q} \sqrt{r_n/p_o'} = 7.467 \times 10^{-7} U_1^{2.14^{**}}$$

The present as well as the previous results (Ref. 13) were based on Hansen's (Ref. 11) viscosity data, whereas Dietra and Hidalgo used the Sutherland viscosity law. All solutions assumed a Newtonian velocity gradient at the stagnation point and Prandtl number of 0.71.

A comparison was given by Lewis and Burgess (Ref. 13) between their results using the Fay and Riddell formula and the more recent theory of Fay and Kemp (Ref. 15). They found that if the Fay and Riddell result was increased by 15 percent, reasonable agreement with the more exact theory (Fay and Kemp) was obtained (see Ref. 13) even in the range of velocities where appreciable ionization is evident.

*This formula assumes $T_w = 300^\circ\text{K}$, Lewis number of 1.4, and $\rho_1 U_1^2 = p_o'$. The formula is claimed to be accurate within 10 percent over the ranges $6000 \leq U_1 \leq 26,000$ ft/sec and $8 \times 10^{-5} \leq \rho/\rho_{\text{ref}} \leq 1$.

**This correlation was determined for $T_w = 300^\circ\text{K}$ and $6700 \leq U_1 \leq 35,000$ ft/sec and is accurate within 5 percent based on the surface fit data of Ref. 9.

The results of calculations based on the correlation formula given by Fay and Kemp (Ref. 15) for chemical equilibrium,

$$\dot{q} \sqrt{r_n/p_o'} = 2080 (Nu/Re^{1/2})' (U_1/24,000)^2 (p_o'/\rho_o')^{1/4}$$

where $(Nu/Re^{1/2})' = 0.47, 10,000 < U_1 < 24,000$

$$= 0.47 (U_1/24,000)^{-0.83}, 24,000 < U_1 < 34,000$$

$$= 0.35 \quad 34,000 < U_1 < 60,000$$

are also shown in Fig. 5. Fay and Kemp claim accuracy within ± 9 percent for the correlation formula. The use of p_o' and ρ_o' makes the application somewhat difficult, and the following formula was found based on the present results:

$$\dot{q} \sqrt{r_n/p_o'} = 1.325 \times 10^{-6} U_1^{2.1058}$$

The results of this correlation formula are shown in Fig. 5 and agree with the results of the Fay and Kemp formula within ± 15 percent over the range $U_1 = 15,000$ to $50,000$ ft/sec. The above formula represents approximately a 30-percent increase above the present Fay and Riddell (Lewis No. = 1) value. Vertical bars indicate the variation of the results with altitude.

3.2 TABULATED DATA

The results of the calculations are given in Table 1 where the data are given in the following form:

H0/H1, Stagnation to free-stream enthalpy ratio

P0/P1, Stagnation to free-stream pressure ratio

R0/R1 $\equiv \rho_o/\rho_1$, Stagnation to free-stream density ratio

T0/T1, Stagnation to free-stream temperature ratio

A0/AA $\equiv a_o/a_a$, Stagnation to reference speed of sound ratio

Z0, Stagnation compressibility factor

GAME0 $\equiv \gamma_{E, o}$, Stagnation isentropic exponent

HS/H1, Normal shock to free-stream enthalpy ratio

PS/P1, Normal shock to free-stream pressure ratio

RS/R1 $\equiv \rho_s/\rho_1$, Normal shock to free-stream density ratio

TS/T1, Normal shock to free-stream temperature ratio

SS/R, Normal shock entropy

RE/FT, Unit free-stream Reynolds number

GAMES = $\gamma_{E,s}$, Normal shock isentropic exponent

Q RT RN = $\dot{q} \sqrt{r_n}$, Normal shock stagnation heat transfer rate times the root of the nose radius in inches

P0P/P1 = p_o'/p_1 , Pitot to free-stream pressure ratio

R0P/R1 = ρ_o'/ρ_1 , Normal shock stagnation density ratio

T0P/T1 = T_o'/T_1 , Normal shock stagnation temperature ratio

A0P/AA = a_o'/a_a , Normal shock stagnation to reference speed of sound ratio

Z0P = Z_o' , Normal shock stagnation compressibility factor

GAME0P = $\gamma_{E,o}$, Normal shock stagnation isentropic exponent

For convenience, the free-stream conditions are printed at the top of each page in the table. When the computed conditions were outside the tables of thermodynamic properties (Refs. 3 through 6), zeros were printed in the table.

4.0 COMPARISON WITH PREVIOUS RESULTS

A detailed comparison with a large body of previous calculations of the altitude-velocity data was not made. Instead, a comparison was made between the 1959 (Ref. 16) and 1962 standard atmospheres and between the present results and those of Marrone (Ref. 17). The choice of Marrone was somewhat arbitrary; however, he has computed normal shock wave parameters in the ranges of altitude = 0 to 300,000 ft and velocity $U_1 = 26,000$ to 50,000 ft/sec. He also compared his results with the results of Wittliff and Curtis (Ref. 2) at $U_1 = 26,000$ ft/sec where those two sources have a common boundary.

Since the differences in the standard atmospheres have a strong influence on the results of any comparison with previous normal shock wave calculations, the results of a comparison of model atmospheres will now be given.

4.1 COMPARISON OF STANDARD ATMOSPHERES

The results of a comparison between 1959 and 1962 model atmospheres are given in Table 2. The data given are the percentage differences

between the free-stream conditions given in Refs. 8 and 16. In the present work, p_1 , ρ_1 and T_1 were obtained from the 1962 model atmosphere, and H_1/R and a_1 were computed from ideal gas equations. For an altitude range of 0 to 400,000 ft, the range of T_1 is 180.65 to 288.15°K. The corresponding range of H/RT is 3.4856 to 3.4888 in comparison with the ideal gas value of 3.50. In the present results, the maximum error in H_1/R is therefore 0.33 percent. As to be expected, the difference in a_1 is approximately one-half the difference in T_1 . The differences in the 1959 and 1962 model atmospheres as given in Table 2 are greater than 15 percent near 200,000 ft and affect the comparison of results based on the two model atmospheres.

4.2 COMPARISON OF PRESENT AND PREVIOUS PERFECT GAS RESULTS

A comparison with the previous results of Marrone (Ref. 17) is shown in Table 3. The comparison shows differences as large as 11.6 percent; however, because of the differences in the model atmospheres, it is difficult to separate the imperfect gas effects from the effects on free-stream quantities and hence on the solution to the normal shock equation.

The data in Table 3 clearly indicate significant differences where imperfect gas effects are small. For example, at 280,000 ft and 32,000 ft/sec, the pitot pressure is only 6.82×10^{-3} atm, whereas the difference in the ratio p_0'/p_1 is 8.92 percent. However, at that altitude the free-stream pressure difference is 11.25 percent as shown in Table 2. In fact, only the data of Marrone at altitudes less than about 30,000 ft should be affected by imperfect gas effects since he does not present the free-stream stagnation conditions. The differences between the present results and previous perfect gas normal shock wave properties such as Marrone and Wittliff and Curtis are due to differences in model atmospheres and not to imperfect gas effects. Free-stream stagnation conditions, however, are strongly dependent on the imperfect gas effects -- the effect is small below one atmosphere and increases rapidly as the stagnation pressure (or more correctly the stagnation density) increases.

5.0 CONCLUDING REMARKS

The present results are based on the most recent and complete thermodynamic data and model atmosphere known to the authors. Moreover, the method of solving the normal shock wave conservation equations is direct and does not involve approximations other than numerical round-off and convergence criteria. Except for the viscosity data at the normal

shock stagnation conditions, the present results should be quite accurate, based, of course, on the current model atmosphere.

Correlation formulas were found to exist for the Fay and Riddell and Fay and Kemp stagnation heat transfer theories. In both cases, a correlation accurate within ± 15 percent was found. The usefulness of the present correlation of the Fay and Kemp results lies in its simplicity which allows one to compute the heat transfer rate from free-stream velocity and $p_O' = \rho_1 U_1^2 / 1.04$. Fay and Kemp's formula requires additionally the stagnation density ρ_O' . It should also be noted that the Fay and Kemp correlation formula was only claimed to be accurate within ± 9 percent; therefore the slightly more inaccurate formula found in the present results is made more attractive because of its simple form.

A correlation between the free-stream dynamic pressure q_1 and the pitot pressure p_O' indicated the constant K in $q_1 = K p_O'$ to be 0.52 ± 0.01 and gives further support to the hypersonic approximation $\rho_1 U_1^2 = p_O'$.

Finally, the table and charts should prove useful to engineers in gas dynamics research and development since the results are tabulated and plotted at sufficiently close intervals to permit rapid interpolation of the data.

REFERENCES

1. Feldman, Saul. "Hypersonic Gas Dynamic Charts for Equilibrium Air." AVCO Research Report 40, January 1957.
2. Wittliff, C. E. and Curtis, J. T. "Normal Shock Wave Parameters in Equilibrium Air." CAL Report 111, November 1961.
3. Hilsenrath, J. and Klein, M. "Tables of Thermodynamic Properties of Air in Chemical Equilibrium Including Second Virial Corrections from 1500°K to 15,000°K." AEDC-TDR-63-161 (AD 416040), August 1963.
4. Neel, C. A. and Lewis, C. H. "Interpolations of Imperfect Air Thermodynamic Data. I. At Constant Entropy." AEDC-TDR-64-183 (AD 605471), September 1964.
5. Neel, C. A. and Lewis, C. H. "Interpolations of Imperfect Air Thermodynamic Data. II. At Constant Pressure." AEDC-TDR-64-184 (AD 446386), September 1964.

6. Lewis, C. H. and Neel, C. A. "Specific Heat and Speed of Sound Data for Imperfect Air." AEDC-TDR-64-36 (AD 600469), May 1964.
7. Lewis, C. H. and Burgess, E. G. III. "Charts of Normal Shock Wave Properties in Imperfect Air." AEDC-TDR-64-43 (AD 433958), March 1964.
8. U. S. Standard Atmosphere, 1962, U. S. Government Printing Office, Washington, D. C., December 1962.
9. Lewis, C. H. and Burgess, E. G. III. "Empirical Equations for the Thermodynamic Properties of Air and Nitrogen to 15,000°K." AEDC-TDR-63-138 (AD 411624), July 1963. Also AIAA Journal, Vol. 1, No. 8, August 1963, pp. 1928-1929.
10. Hilsenrath, J., Klein, M., and Woolley, H. W. "Tables of Thermodynamic Properties of Air Including Dissociation and Ionization from 1500°K to 15,000°K." AEDC-TR-59-20 (AD 229962), December 1959.
11. Hansen, C. F. "Approximations for the Thermodynamic and Transport Properties of High-Temperature Air." NACA TN 4150, March 1958.
12. Fay, J. and Riddell, F. R. "Theory of Stagnation Point Heat Transfer in Dissociated Air." J. Aero Sci., Vol. 25, No. 2, February 1958, pp. 73-85, 121.
13. Lewis, C. H. and Burgess, E. G. III. "Charts of Sphere Stagnation Heat-Transfer Rate in Air and Nitrogen at High Temperatures." AEDC-TDR-63-139 (AD 409870), July 1963. Also AIAA Journal, Vol. 1, No. 8, August 1963, pp. 1927-1929.
14. Dietra, R. W. and Hidalgo, H. "Generalized Heat Transfer Formulas and Graphs for Nose Cone Re-Entry Into the Atmosphere." ARS Journal, Vol. 31, No. 3, March 1961, pp. 318-321.
15. Fay, J. R. and Kemp, N. "Theory of Stagnation-Point Heat Transfer in a Partially Ionized Diatomic Gas." AIAA Journal, Vol. 1, No. 12, December 1963, pp. 2741-2751.
16. Minzner, R. A., Champion, K. S. W., and Pond, H. L. "The ARDC Model Atmosphere, 1959." AFCRC-TR-59-267, August 1959.
17. Marrone, Paul V. "Normal Shock Waves in Air: Equilibrium Composition and Flow Parameters for Velocities from 26,000 to 50,000 ft/sec." CAL Report No. AG-1729-A-2, August 1962.

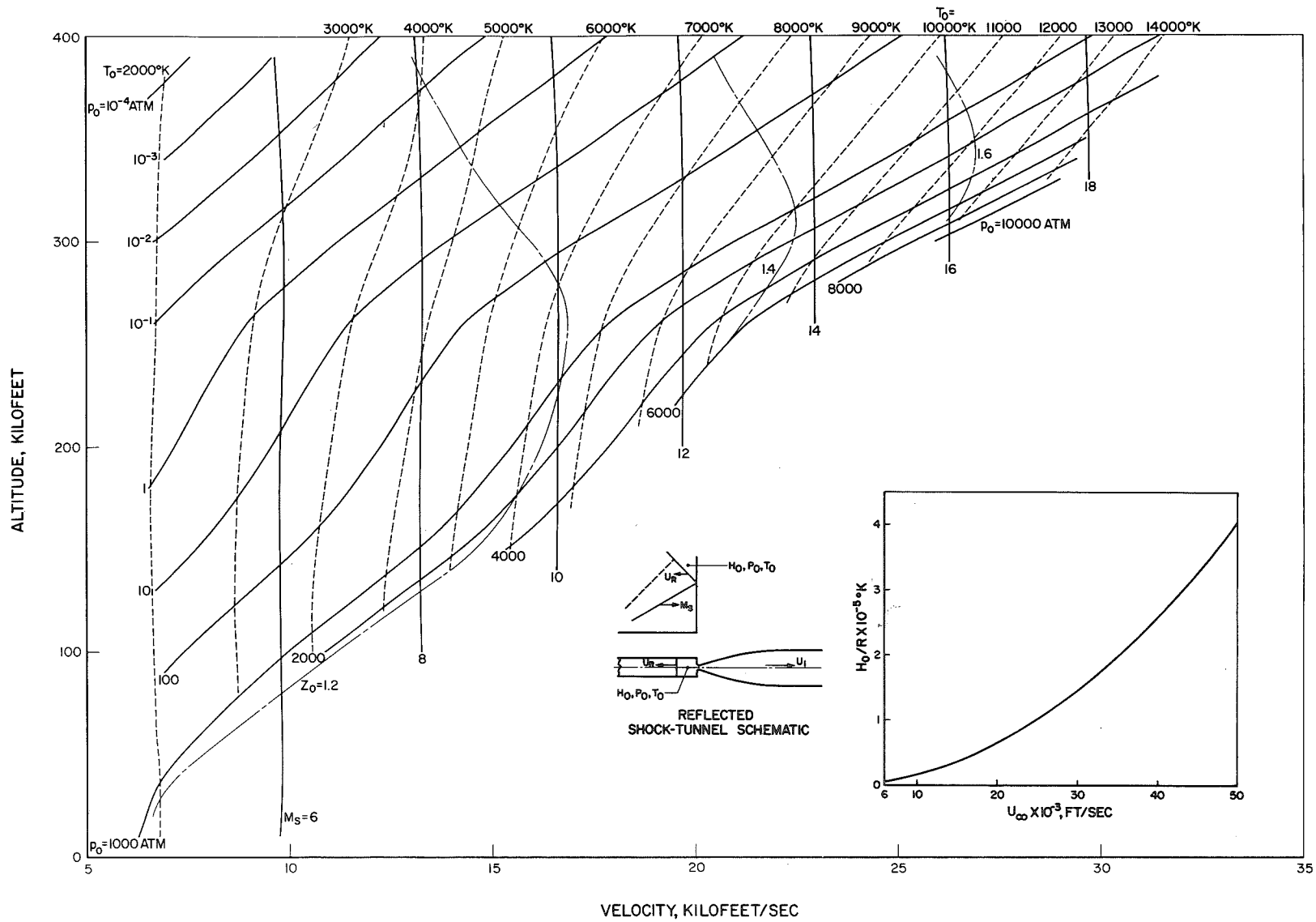


Fig. 1 Equilibrium Free-Stream Stagnation Conditions Necessary for Flight Duplication

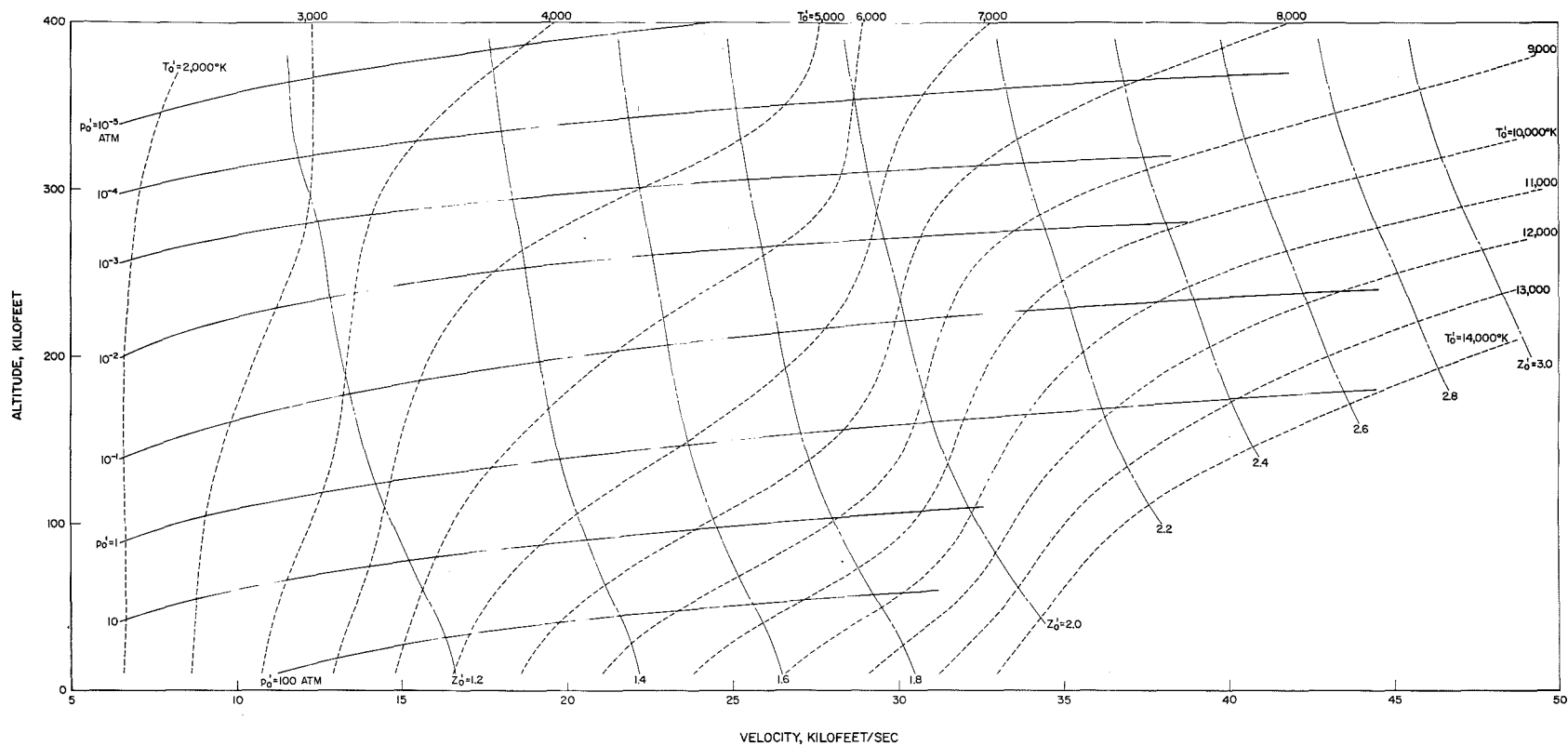


Fig. 2 Normal Shock Stagnation Conditions at Flight Duplication

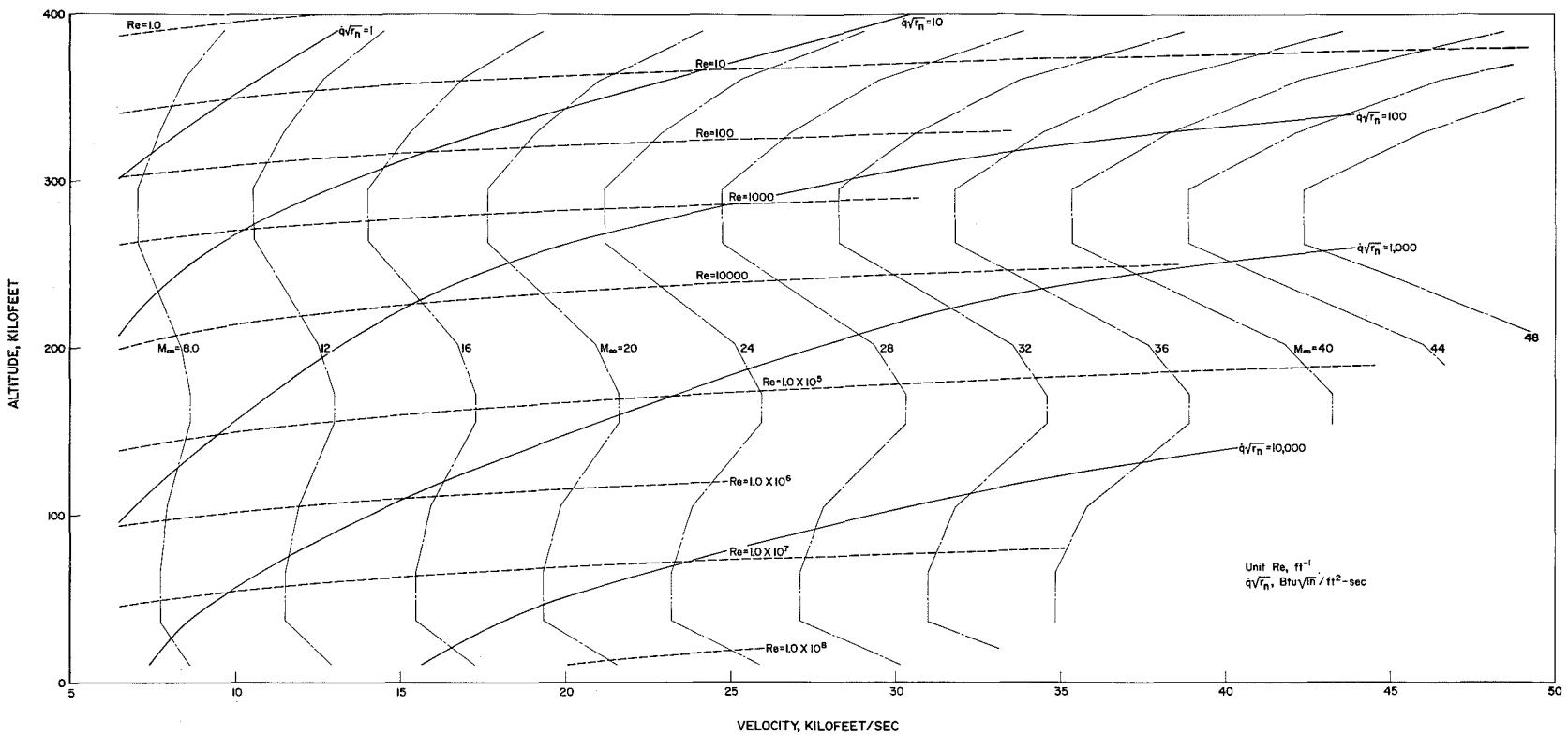


Fig. 3 Fay and Riddell Stagnation Heat Transfer, Free-Stream Mach Number, and Unit Reynolds Number for Flight Duplication

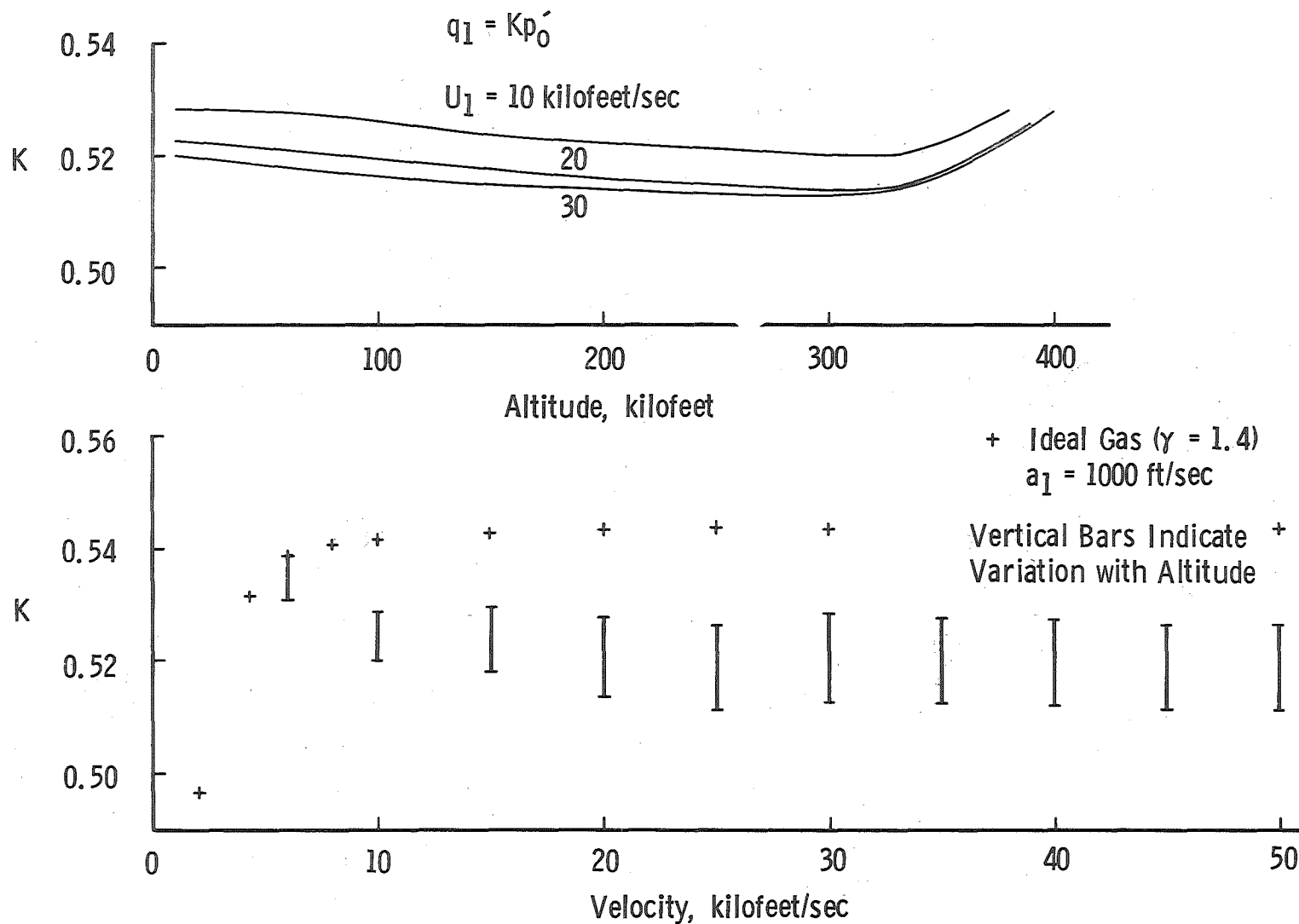


Fig. 4 The Constant K Relating Free-Stream Dynamic Pressure and Pitot Pressure

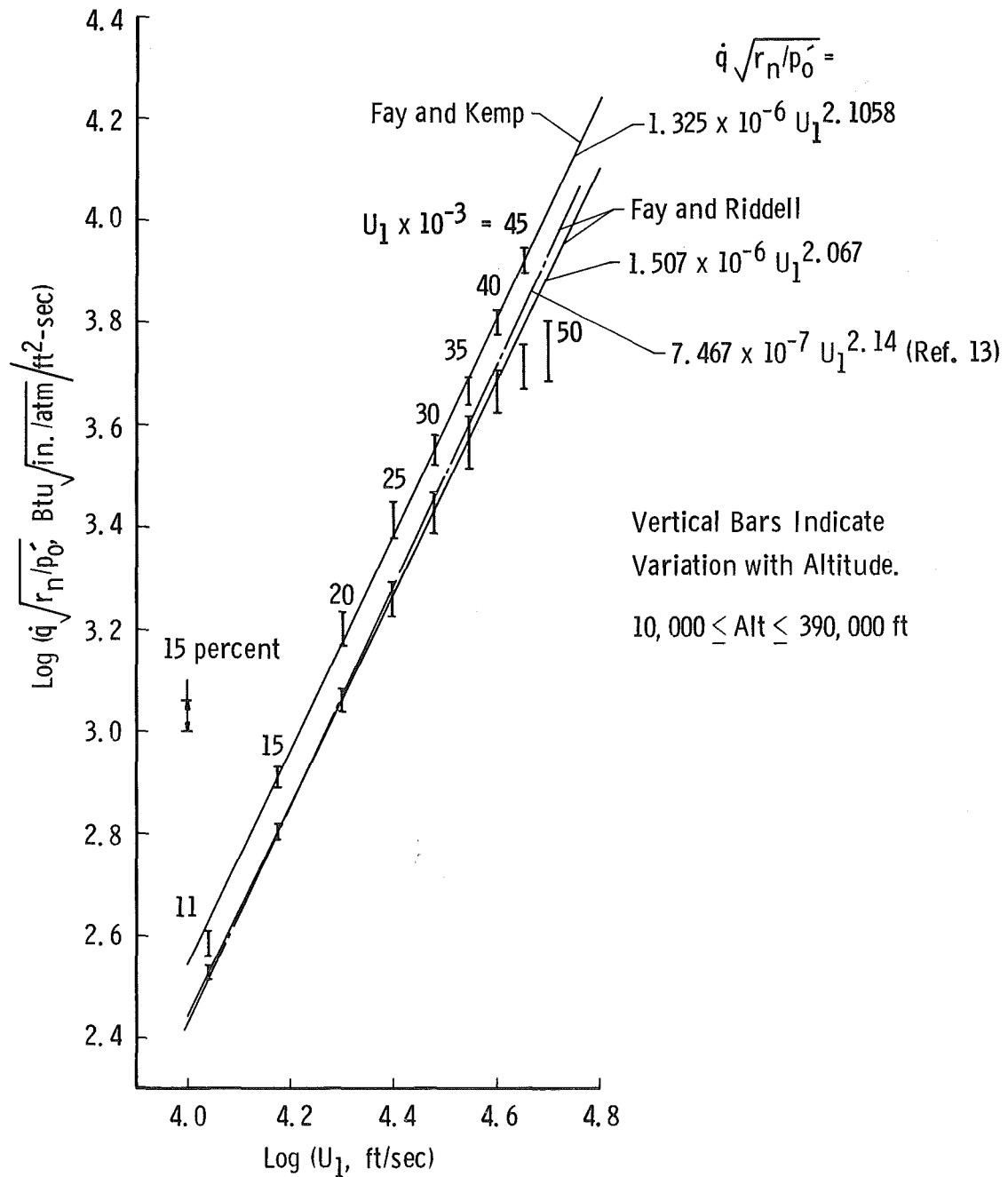


Fig. 5 Correlation Formulas for Sphere Stagnation Heat Transfer Rates

TABLE 1

NORMAL SHOCK WAVE PARAMETERS IN IMPERFECT AIR FOR FLIGHT DUPLICATION

ALTITUDE = 10000. FT.

P1 = 6.878297-01 ATM. , RHO1 = 7.005709-01 AMA. , T1 = 268.35 K
 S1/R = 23.903 , A1 = 1077.73 FT./SEC. , H1/R = 939.216 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 RCP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	5.567	7.199 7.014 5.177551+02	1.063599+03 36.925 40.829	1.472826+02 5.7936 6.259	6.296 6.3295 6.475	2.7261 27.310 2.4372	1.1456 2.989615+07 1.0062	1.4683 1.3008 1.2993
7000.	6.495	9.437 9.223 8.397627+02	.000000+00 50.675 55.548	.000000+00 6.2700 6.737	.000 8.0215 8.179	.0000 28.073 2.7158	.0000 3.487884+07 1.0068	.0000 1.2778 1.2764
8000.	7.423	12.020 11.776 1.275358+03	.000000+00 66.711 72.670	.000000+00 6.7235 7.199	.000 9.8354 10.001	.0000 28.799 2.9768	.0000 3.986153+07 1.0082	.0000 1.2538 1.2524
9000.	8.351	14.947 14.678 1.840178+03	.000000+00 85.122 92.148	.000000+00 7.1982 7.678	.000 11.6715 11.835	.0000 29.498 3.2161	.0000 4.484423+07 1.0129	.0000 1.2304 1.2296
10000.	9.279	18.219 17.928 2.550258+03	.000000+00 105.936 114.038	.000000+00 7.6954 8.176	.000 13.4460 13.605	.0000 30.181 3.4472	.0000 4.982692+07 1.0239	.0000 1.2153 1.2156
11000.	10.207	21.835 21.524 3.421929+03	.000000+00 129.106 138.280	.000000+00 8.1848 8.662	.000 15.1406 15.299	.0000 30.858 3.6839	.0000 5.480961+07 1.0423	.0000 1.2118 1.2129
12000.	11.134	25.795 25.462 4.454939+03	.000000+00 154.526 164.896	.000000+00 8.6195 9.091	.000 16.8143 16.981	.0000 31.531 3.9371	.0000 5.979230+07 1.0669	.0000 1.2177 1.2193
13000.	12.062	30.100 29.739 5.682190+03	.000000+00 182.118 193.791	.000000+00 8.9719 9.440	.000 18.5451 18.722	.0000 32.201 4.1963	.0000 6.477499+07 1.0951	.0000 1.2195 1.2239
14000.	12.990	34.749 34.352 7.113849+03	.000000+00 211.730 224.864	.000000+00 9.2087 9.666	.000 20.4423 20.647	.0000 32.863 4.5010	.0000 6.975769+07 1.1254	.0000 1.2415 1.2425
15000.	13.918	39.743 39.301 8.770548+03	.000000+00 243.394 258.265	.000000+00 9.3643 9.822	.000 22.5190 22.744	.0000 33.512 4.7870	.0000 7.474038+07 1.1547	.0000 1.2429 1.2434
16000.	14.846	45.081 44.594 1.066481+04	.000000+00 277.311 293.908	.000000+00 9.5153 9.975	.000 24.6489 24.879	.0000 34.145 5.0420	.0000 7.972307+07 1.1829	.0000 1.2319 1.2310
17000.	15.774	50.763 50.236 1.281061+04	.000000+00 313.679 332.066	.000000+00 9.7149 10.181	.000 26.6617 26.885	.0000 34.767 5.2731	.0000 8.470576+07 1.2117	.0000 1.2168 1.2163

ALTITUDE = 10000. FT.

P1 = 6.878297-01 ATM. , RH01 = 7.005709-01 AMA. , T1 = 268.35 K
 S1/R = 23.903 , A1 = 1077.73 FT./SEC. , H1/R = 939.216 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
18000.	16.702	56.790 56.227 1.521504+04	.000000+00 352.543 372.598	.000000+00 9.9634 10.431	.000 28.4921 28.708	.0000 35.384 5.4940	.0000 8.968845+07 1.2428	.0000 1.2056 1.2057
19000.	17.630	63.161 62.568 1.789236+04	.000000+00 393.871 415.635	.000000+00 10.2401 10.710	.000 30.1566 30.365	.0000 36.001 5.7119	.0000 9.467114+07 1.2765	.0000 1.1989 1.1995
20000.	18.557	69.876 69.254 2.085484+04	.000000+00 437.591 461.145	.000000+00 10.5256 10.998	.000 31.6932 31.899	.0000 36.622 5.9288	.0000 9.965384+07 1.3129	.0000 1.1951 1.1960
21000.	19.485	76.936 76.285 2.410951+04	.000000+00 483.652 508.870	.000000+00 10.8061 11.276	.000 33.1387 33.343	.0000 37.248 6.1494	.0000 1.046365+08 1.3519	.0000 1.1947 1.1955
22000.	20.413	84.340 83.660 2.767321+04	.000000+00 532.016 558.998	.000000+00 11.0731 11.541	.000 34.5203 34.725	.0000 37.880 6.3736	.0000 1.096192+08 1.3932	.0000 1.1957 1.1966
23000.	21.341	92.089 91.378 3.155564+04	.000000+00 582.651 611.397	.000000+00 11.3211 11.785	.000 35.8611 36.068	.0000 38.519 6.6016	.0000 1.146019+08 1.4366	.0000 1.1976 1.1986
24000.	22.269	100.181 99.437 3.577541+04	.000000+00 635.524 666.274	.000000+00 11.5457 12.009	.000 37.1833 37.395	.0000 39.165 6.8337	.0000 1.195846+08 1.4819	.0000 1.2000 1.2010
25000.	23.197	108.619 107.838 4.033710+04	.000000+00 690.608 723.309	.000000+00 11.7444 12.204	.000 38.5030 38.719	.0000 39.818 7.0743	.0000 1.245673+08 1.5288	.0000 1.2035 1.2048
26000.	24.125	117.400 116.580 4.526126+04	.000000+00 747.845 782.746	.000000+00 11.9145 12.373	.000 39.8383 40.063	.0000 40.475 7.3204	.0000 1.295500+08 1.5772	.0000 1.2075 1.2085
27000.	25.053	126.527 125.662 5.055742+04	.000000+00 807.282 844.403	.000000+00 12.0555 12.511	.000 41.2087 41.443	.0000 41.137 7.5770	.0000 1.345327+08 1.6267	.0000 1.2125 1.2136
28000.	25.980	135.997 135.085 5.624418+04	.000000+00 868.840 908.371	.000000+00 12.1648 12.617	.000 42.6370 42.883	.0000 41.803 7.8434	.0000 1.395154+08 1.6768	.0000 1.2177 1.2192
29000.	26.908	145.812 144.846 6.233592+04	.000000+00 932.483 974.556	.000000+00 12.2406 12.690	.000 44.1475 44.409	.0000 42.470 8.1222	.0000 1.444981+08 1.7273	.0000 1.2241 1.2256
30000.	27.836	155.971 154.944 6.885677+04	.000000+00 998.082 1043.079	.000000+00 12.2807 12.729	.000 45.7700 46.052	.0000 43.138 8.4132	.0000 1.494808+08 1.7773	.0000 1.2309 1.2324
31000.	28.764	166.475 165.379 7.582366+04	.000000+00 1065.737 1113.746	.000000+00 12.2854 12.730	.000 47.5424 47.850	.0000 43.803 8.7178	.0000 1.544634+08 1.8262	.0000 1.2385 1.2394

ALTITUDE = 10000. FT.

P1 = 6.878297-01 ATM. , RHO1 = 7.005709-01 AMA. , T1 = 268.35 K
 S1/R = 23.903 , A1 = 1077.73 FT./SEC. , H1/R = 939.216 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
32000.	29.692	177.323 176.148 8.326487+04	.000000+00 1135.218 1186.627	.000000+00 12.2534 12.697	.000 49.5031 49.839	.0000 44.463 9.0371	.0000 1.594461+08 1.8729	.0000 1.2458 1.2468
33000.	30.620	188.515 187.252 9.120547+04	.000000+00 1206.642 1261.598	.000000+00 12.1894 12.631	.000 51.6862 52.056	.0000 45.116 9.3625	.0000 1.644288+08 1.9164	.0000 1.2510 1.2521
34000.	31.548	200.052 198.692 9.967410+04	.000000+00 1279.991 1338.723	.000000+00 12.1027 12.543	.000 54.0987 54.503	.0000 45.760 9.6867	.0000 1.694115+08 1.9559	.0000 1.2543 1.2544

ALTITUDE = 20000. FT.

P1 = 4.599109-01 ATM. , RHO1 = 5.057132-01 AMA. , T1 = 248.56 K
 S1/R = 24.038 , A1 = 1037.24 FT./SEC. , H1/R = 869.974 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
6000.	5.785	7.692 7.497 4.341753+02	1.362434+03 39.865 44.034	1.785451+02 5.8523 6.318	6.761 6.7755 6.930	2.6790 27.599 2.4233	1.1273 2.294871+07 1.0045	1.4488 1.2995 1.2979
7000.	6.749	10.109 9.881 7.067893+02	3.519824+03 54.709 59.925	3.378065+02 6.3200 6.788	8.367 8.6063 8.774	3.2213 28.370 2.7027	1.2438 2.677350+07 1.0050	1.5339 1.2761 1.2745
8000.	7.713	12.897 12.638 1.075908+03	.000000+00 72.027 78.415	.000000+00 6.7707 7.247	.000 10.5634 10.739	.0000 29.102 2.9624	.0000 3.059828+07 1.0064	.0000 1.2509 1.2493
9000.	8.677	16.057 15.771 1.554666+03	.000000+00 91.926 99.452	.000000+00 7.2522 7.733	.000 12.5282 12.700	.0000 29.806 3.1979	.0000 3.442307+07 1.0114	.0000 1.2258 1.2249
10000.	9.641	19.589 19.281 2.156426+03	.000000+00 114.440 123.093	.000000+00 7.7651 8.247	.000 14.4035 14.569	.0000 30.496 3.4244	.0000 3.824785+07 1.0233	.0000 1.2100 1.2102
11000.	10.605	23.493 23.165 2.895405+03	.000000+00 139.505 149.303	.000000+00 8.2723 8.751	.000 16.1795 16.343	.0000 31.181 3.6571	.0000 4.207264+07 1.0427	.0000 1.2065 1.2075
12000.	11.569	27.769 27.417 3.786694+03	.000000+00 167.009 178.025	.000000+00 8.7221 9.194	.000 17.9310 18.102	.0000 31.864 3.9069	.0000 4.589742+07 1.0684	.0000 1.2127 1.2142
13000.	12.533	32.416 32.035 4.850793+03	.000000+00 196.805 209.256	.000000+00 9.0731 9.545	.000 19.7623 19.943	.0000 32.544 4.1622	.0000 4.972221+07 1.0979	.0000 1.2166 1.2172
14000.	13.497	37.435 37.016 6.023977+03	.000000+00 228.827 242.816	.000000+00 9.3192 9.776	.000 21.7644 21.979	.0000 33.218 4.4704	.0000 5.354699+07 1.1287	.0000 1.2381 1.2394

ALTITUDE = 20000. FT.

P1 = 4.599109-01 ATM. , RHO1 = 5.057132-01 AMA. , T1 = 248.56 K
 S1/R = 24.038 , A1 = 1037.24 FT./SEC. , H1/R = 869.974 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
15000.	14.461	42.826 42.360 7.429560+03	.000000+00 263.033 278.919	.000000+00 9.4700 9.929	.000 23.9878 24.223	.0000 33.877 4.7535	.0000 5.737178+07 1.1583	.0000 1.2391 1.2390
16000.	15.425	48.589 48.075 9.036426+03	.000000+00 299.689 317.404	.000000+00 9.6220 10.083	.000 26.2614 26.500	.0000 34.520 5.0058	.0000 6.119656+07 1.1864	.0000 1.2268 1.2262
17000.	16.390	54.724 54.168 1.085537+04	.000000+00 339.017 358.552	.000000+00 9.8310 10.296	.000 28.3872 28.618	.0000 35.152 5.2315	.0000 6.502135+07 1.2154	.0000 1.2108 1.2106
18000.	17.354	61.230 60.639 1.289644+04	.000000+00 381.068 402.476	.000000+00 10.0928 10.564	.000 30.3040 30.525	.0000 35.781 5.4473	.0000 6.884614+07 1.2467	.0000 1.1993 1.1996
19000.	18.318	68.108 67.485 1.516591+04	.000000+00 425.772 448.928	.000000+00 10.3833 10.855	.000 32.0385 32.252	.0000 36.409 5.6611	.0000 7.267092+07 1.2808	.0000 1.1931 1.1936
20000.	19.282	75.358 74.706 1.767594+04	.000000+00 473.061 498.001	.000000+00 10.6816 11.153	.000 33.6367 33.846	.0000 37.041 5.8746	.0000 7.649571+07 1.3177	.0000 1.1901 1.1905
21000.	20.246	82.980 82.299 2.043575+04	.000000+00 522.880 549.593	.000000+00 10.9741 11.443	.000 35.1378 35.346	.0000 37.681 6.0918	.0000 8.032049+07 1.3571	.0000 1.1897 1.1902
22000.	21.210	90.973 90.262 2.345755+04	.000000+00 575.187 603.781	.000000+00 11.2525 11.721	.000 36.5719 36.780	.0000 38.327 6.3111	.0000 8.414528+07 1.3990	.0000 1.1901 1.1909
3000.	22.174	99.338 98.596 2.675083+04	.000000+00 629.942 660.481	.000000+00 11.5097 11.976	.000 37.9668 38.177	.0000 38.980 6.5343	.0000 8.797006+07 1.4429	.0000 1.1917 1.1925
4000.	23.138	108.075 107.299 3.032612+04	.000000+00 687.116 719.679	.000000+00 11.7429 12.207	.000 39.3406 39.555	.0000 39.641 6.7645	.0000 9.179485+07 1.4887	.0000 1.1946 1.1955
5000.	24.102	117.184 116.370 3.419473+04	.000000+00 746.677 781.359	.000000+00 11.9484 12.410	.000 40.7167 40.937	.0000 40.309 7.0009	.0000 9.561963+07 1.5362	.0000 1.1981 1.1990
6000.	25.066	126.665 125.810 3.836811+04	.000000+00 808.596 845.530	.000000+00 12.1244 12.583	.000 42.1109 42.340	.0000 40.983 7.2452	.0000 9.944442+07 1.5852	.0000 1.2026 1.2033
7000.	26.030	136.517 135.616 4.286005+04	.000000+00 872.808 912.226	.000000+00 12.2686 12.726	.000 43.5460 43.785	.0000 41.662 7.4980	.0000 1.032692+08 1.6352	.0000 1.2070 1.2080
8000.	26.995	146.742 145.790 4.767910+04	.000000+00 939.353 981.238	.000000+00 12.3799 12.833	.000 45.0462 45.298	.0000 42.344 7.7639	.0000 1.070940+08 1.6860	.0000 1.2131 1.2143

ALTITUDE = 20000. FT.

P1 = 4.599109-01 ATM. , RH01 = 5.057132-01 AMA. , T1 = 248.56 K
 S1/R = 24.038 , A1 = 1037.24 FT./SEC. , H1/R = 869.974 K

UI	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
29000.	27.959	157.338 156.330 5.284755+04	.000000+00 1008.139 1052.855	.000000+00 12.4551 12.906	.000 46.6420 46.912	.0000 43.028 8.0403	.0000 1.109188+08 1.7369	.0000 1.2197 1.2206
30000.	28.923	168.305 167.234 5.837650+04	.000000+00 1079.099 1126.818	.000000+00 12.4922 12.940	.000 48.3686 48.660	.0000 43.712 8.3324	.0000 1.147436+08 1.7874	.0000 1.2271 1.2281
31000.	29.887	179.845 178.499 6.428638+04	.000000+00 1152.068 1203.137	.000000+00 12.4886 12.935	.000 50.2690 50.587	.0000 44.393 8.5411	.0000 1.185683+08 1.8365	.0000 1.2350 1.2365
32000.	30.851	191.356 190.127 7.059984+04	.000000+00 1227.171 1281.751	.000000+00 12.4456 12.889	.000 52.3932 52.745	.0000 45.069 8.9639	.0000 1.223931+08 1.8832	.0000 1.2433 1.2445
33000.	31.815	203.439 202.115 7.734247+04	.000000+00 1304.263 1362.677	.000000+00 12.3660 12.807	.000 54.7798 55.169	.0000 45.737 9.2955	.0000 1.262179+08 1.9263	.0000 1.2502 1.2509
34000.	32.779	215.894 214.465 8.453804+04	.000000+00 1383.409 1445.974	.000000+00 12.2623 12.703	.000 57.4281 57.854	.0000 46.393 9.6251	.0000 1.300427+08 1.9652	.0000 1.2531 1.2536

ALTITUDE = 30000. FT.

P1 = 2.975430-01 ATM. , RH01 = 3.554379-01 AMA. , T1 = 228.80 K
 S1/R = 24.184 , A1 = 995.15 FT./SEC. , H1/R = 800.798 K

UI	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	6.029	8.270 8.062 3.591813+02	1.781030+03 43.308 47.787	2.194414+02 5.9102 6.376	7.303 7.2972 7.462	2.6334 27.914 2.4102	1.1099 1.726272+07 1.0032	1.4299 1.2988 1.2970
7000.	7.034	10.896 10.652 5.868982+02	4.701900+03 59.432 65.054	4.254100+02 6.3685 6.837	9.078 9.2903 9.470	3.1571 28.693 2.6904	1.2160 2.013984+07 1.0036	1.5091 1.2748 1.2730
8000.	8.039	13.925 13.647 8.954923+02	.000000+00 78.252 85.145	.000000+00 6.8166 7.294	.000 11.4140 11.602	.0000 29.431 2.9487	.0000 2.301696+07 1.0050	.0000 1.2482 1.2464
9000.	9.044	17.358 17.052 1.295820+03	.000000+00 99.898 108.006	.000000+00 7.3066 7.789	.000 13.5250 13.706	.0000 30.141 3.1799	.0000 2.589408+07 1.0105	.0000 1.2212 1.2203
10000.	10.049	21.195 20.867 1.798855+03	.000000+00 124.407 133.702	.000000+00 7.8374 8.320	.000 15.5124 15.684	.0000 30.838 3.4017	.0000 2.877120+07 1.0233	.0000 1.2050 1.2050
11000.	11.054	25.436 25.087 2.416917+03	.000000+00 151.705 162.244	.000000+00 8.3650 8.846	.000 17.3778 17.548	.0000 31.531 3.6303	.0000 3.164832+07 1.0439	.0000 1.2016 1.2024

ALTITUDE = 30000. FT.

P1 = 2.975430-01 ATM. , RHO1 = 3.554379-01 AMA. , T1 = 228.80 K
 S1/R = 24.184 , A1 = 995.15 FT./SEC. , H1/R = 800.798 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	RC/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
12000.	12.058	30.081 29.708 3.162771+03	.000000+00 181.633 193.459	.000000+00 8.8300 9.303	.000 19.2169 19.395	.00000 32.225 3.8771	.0000 3.452544+07 1.0709	.0000 1.2083 1.2097
13000.	13.063	35.130 34.726 4.051467+03	.000000+00 214.045 227.358	.000000+00 9.1872 9.652	.000 21.1544 21.352	.00000 32.918 4.1381	.0000 3.740256+07 1.1019	.0000 1.2187 1.2165
14000.	14.068	40.583 40.138 5.101522+03	.000000+00 248.868 263.933	.000000+00 9.4345 9.894	.000 23.2910 23.517	.00000 33.603 4.4398	.0000 4.027968+07 1.1330	.0000 1.2356 1.2365
15000.	15.073	46.439 45.945 6.328496+03	.000000+00 286.059 303.082	.000000+00 9.5792 10.038	.000 25.6898 25.938	.00000 34.274 4.7219	.0000 4.315679+07 1.1627	.0000 1.2363 1.2357
16000.	16.078	52.700 52.154 7.554094+03	.000000+00 325.911 344.944	.000000+00 9.7322 10.195	.000 28.1303 28.380	.00000 34.929 4.9682	.0000 4.603391+07 1.1908	.0000 1.2212 1.2208
17000.	17.083	59.364 58.775 9.077696+03	.000000+00 368.725 389.806	.000000+00 9.9525 10.423	.000 30.3838 30.622	.00000 35.572 5.1881	.0000 4.891103+07 1.2198	.0000 1.2048 1.2044
18000.	18.088	66.433 65.807 1.078462+04	.000000+00 414.505 437.498	.000000+00 10.2295 10.703	.000 32.3959 32.624	.00000 36.211 5.3989	.0000 5.178815+07 1.2515	.0000 1.1931 1.1933
19000.	19.093	73.905 73.248 1.268285+04	.000000+00 463.171 487.986	.000000+00 10.5349 11.008	.000 34.2093 34.429	.00000 36.852 5.6093	.0000 5.466527+07 1.2860	.0000 1.1874 1.1877
20000.	20.097	81.781 81.095 1.478227+04	.000000+00 514.649 541.330	.000000+00 10.8477 11.321	.000 35.8748 36.090	.00000 37.498 5.8196	.0000 5.754239+07 1.3234	.0000 1.1847 1.1852
21000.	21.102	90.061 89.345 1.709246+04	.000000+00 568.875 597.555	.000000+00 11.1536 11.627	.000 37.4381 37.651	.00000 38.152 6.0319	.0000 6.041951+07 1.3634	.0000 1.1839 1.1846
22000.	22.107	98.745 97.999 1.961887+04	.000000+00 625.800 656.392	.000000+00 11.4430 11.913	.000 38.9345 39.147	.00000 38.813 6.2474	.0000 6.329663+07 1.4057	.0000 1.1847 1.1854
23000.	23.112	107.833 107.054 2.237356+04	.000000+00 685.387 718.058	.000000+00 11.7108 12.179	.000 40.3881 40.604	.00000 39.482 6.4685	.0000 6.617375+07 1.4503	.0000 1.1869 1.1876
24000.	24.117	117.325 116.511 2.536333+04	.000000+00 747.605 782.389	.000000+00 11.9530 12.419	.000 41.8227 42.042	.00000 40.160 6.6945	.0000 6.905087+07 1.4967	.0000 1.1895 1.1904
25000.	25.122	127.221 126.368 2.859876+04	.000000+00 812.416 849.449	.000000+00 12.1662 12.629	.000 43.2606 43.487	.00000 40.844 6.9273	.0000 7.192799+07 1.5449	.0000 1.1932 1.1939

ALTITUDE = 30000. FT.

P1 = 2.975430-01 ATM. , RH01 = 3.554379-01 AMA. , T1 = 228.80 K
 S1/R = 24.184 , A1 = 995.15 FT./SEC. , H1/R = 800.798 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 RCP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
26000.	26.127	137.520 136.625 3.208900+04	.000000+00 879.787 919.198	.000000+00 12.3480 12.808	.000 44.7236 44.957	.0000 41.536 7.1682	.0000 7.480511+07 1.5944	.0000 1.1972 1.1981
27000.	27.132	148.224 147.280 3.584578+04	.000000+00 949.638 991.700	.000000+00 12.4964 12.955	.000 46.2323 46.477	.0000 42.232 7.4191	.0000 7.768223+07 1.6451	.0000 1.2022 1.2032
28000.	28.136	159.331 158.335 3.987683+04	.000000+00 1022.027 1066.742	.000000+00 12.6094 13.064	.000 47.8170 48.076	.0000 42.933 7.6819	.0000 8.055935+07 1.6964	.0000 1.2082 1.2094
29000.	29.141	170.843 169.788 4.419797+04	.000000+00 1096.873 1144.459	.000000+00 12.6838 13.135	.000 49.5140 49.791	.0000 43.635 7.9575	.0000 8.343647+07 1.7479	.0000 1.2155 1.2161
30000.	30.146	182.758 181.634 4.882529+04	.000000+00 1173.998 1224.906	.000000+00 12.7163 13.165	.000 51.3627 51.664	.0000 44.337 8.2511	.0000 8.631359+07 1.7987	.0000 1.2232 1.2244
31000.	31.151	195.677 193.873 5.377265+04	.000000+00 1253.324 1307.860	.000000+00 12.7040 13.151	.000 53.4182 53.750	.0000 45.036 8.5618	.0000 8.919071+07 1.8481	.0000 1.2322 1.2335
32000.	32.156	207.800 206.507 5.906199+04	.000000+00 1334.951 1393.343	.000000+00 12.6475 13.091	.000 55.7419 56.111	.0000 45.729 8.8903	.0000 9.206783+07 1.8946	.0000 1.2418 1.2427
33000.	33.161	220.927 219.530 6.471224+04	.000000+00 1418.680 1481.233	.000000+00 12.5508 12.992	.000 58.3731 58.784	.0000 46.412 9.2295	.0000 9.494495+07 1.9372	.0000 1.2492 1.2503
34000.	34.166	234.458 232.946 7.074335+04	.000000+00 1504.617 1571.628	.000000+00 12.4289 12.869	.000 61.3034 61.755	.0000 47.082 9.5639	.0000 9.782207+07 1.9753	.0000 1.2528 1.2533

ALTITUDE = 40000. FT.

P1 = 1.857680-01 ATM. , RH01 = 2.343586-01 AMA. , T1 = 216.65 K
 S1/R = 24.464 , A1 = 968.37 FT./SEC. , H1/R = 758.275 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 RCP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	6.196	8.678 8.461 2.892734+02	2.160305+03 45.740 50.435	2.579740+02 5.9482 6.414	7.707 7.6657 7.838	2.5771 28.307 2.4015	1.0852 1.191257+07 1.0021	1.4016 1.2980 1.2961
7000.	7.229	11.451 11.196 4.737732+02	5.858223+03 62.766 68.672	5.178381+02 6.4006 6.869	9.628 9.7727 9.961	3.0663 29.092 2.6819	1.1735 1.389800+07 1.0024	1.4689 1.2734 1.2715
8000.	8.261	14.650 14.359 7.239051+02	.000000+00 82.653 89.896	.000000+00 6.8505 7.329	.000 12.0078 12.203	.0000 29.834 2.9373	.0000 1.588343+07 1.0039	.0000 1.2452 1.2431

ALTITUDE = 40000. FT.

P1 = 1.857680-01 ATM. , RHO1 = 2.343586-01 AMA. , T1 = 216.65 K
 S1/R = 24.464 , A1 = 968.37 FT./SEC. , H1/R = 758.275 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
0000.	9.294	18.276 17.956 1.048297+03	.000000+00 105.555 114.047	.000000+00 7.3559 7.839	.000 14.1992 14.384	.00000 30.548 3.1626	.0000 1.786886+07 1.0102	.0000 1.2158 1.2150
0000.	10.327	22.328 21.987 1.455780+03	.000000+00 131.512 141.228	.000000+00 7.9119 8.396	.000 16.2278 16.401	.0000 31.252 3.3786	.0000 1.985429+07 1.0243	.0000 1.1994 1.1994
0000.	11.359	26.807 26.447 1.956560+03	.000000+00 160.409 171.420	.000000+00 8.4645 8.947	.000 18.1147 18.286	.0000 31.955 3.6027	.0000 2.183971+07 1.0465	.0000 1.1964 1.1973
0000.	12.392	31.712 31.329 2.561067+03	.000000+00 192.084 204.449	.000000+00 8.9490 9.425	.000 19.9777 20.158	.0000 32.662 3.8464	.0000 2.382514+07 1.0749	.0000 1.2040 1.2053
0000.	13.425	37.044 36.629 3.280300+03	.000000+00 226.369 240.248	.000000+00 9.3158 9.782	.000 21.9592 22.160	.0000 33.369 4.1177	.0000 2.581057+07 1.1070	.0000 1.2191 1.2200
0000.	14.457	42.803 42.345 4.130281+03	.000000+00 263.177 278.810	.000000+00 9.5590 10.016	.000 24.1818 24.412	.0000 34.068 4.4097	.0000 2.779600+07 1.1389	.0000 1.2337 1.2345
0000.	15.490	48.988 48.477 5.125642+03	.000000+00 302.448 320.187	.000000+00 9.6947 10.153	.000 26.7010 26.954	.0000 34.752 4.6902	.0000 2.978143+07 1.1686	.0000 1.2335 1.2328
0000.	16.523	55.599 55.037 6.288343+03	.000000+00 344.610 364.587	.000000+00 9.8521 10.320	.000 29.2397 29.491	.0000 35.418 4.9273	.0000 3.176686+07 1.1965	.0000 1.2156 1.2145
0000.	17.555	62.637 62.032 7.607413+03	.000000+00 389.929 411.791	.000000+00 10.0883 10.558	.000 31.5456 31.783	.0000 36.074 5.1417	.0000 3.375229+07 1.2257	.0000 1.1984 1.1979
0000.	18.588	70.102 69.461 9.100583+03	.000000+00 438.397 462.281	.000000+00 10.3844 10.859	.000 33.5824 33.808	.0000 36.727 5.3474	.0000 3.573771+07 1.2577	.0000 1.1873 1.1871
0000.	19.621	77.993 77.322 1.077768+04	.000000+00 489.920 515.684	.000000+00 10.7090 11.184	.000 35.4078 35.625	.0000 37.383 5.5536	.0000 3.772314+07 1.2928	.0000 1.1818 1.1820
0000.	20.653	86.311 85.611 1.197527+04	.000000+00 544.406 572.104	.000000+00 11.0387 11.513	.000 37.0825 37.294	.0000 38.045 5.7590	.0000 3.970857+07 1.3308	.0000 1.1791 1.1795
0000.	21.686	95.056 94.327 1.384507+04	.000000+00 601.793 631.419	.000000+00 11.3599 11.833	.000 38.6544 38.864	.0000 38.715 5.9664	.0000 4.169400+07 1.3714	.0000 1.1785 1.1789
0000.	22.719	104.227 103.468 1.589157+04	.000000+00 662.031 693.661	.000000+00 11.6634 12.134	.000 40.1580 40.368	.0000 39.394 6.1793	.0000 4.367943+07 1.4144	.0000 1.1799 1.1804

ALTITUDE = 40000. FT.

P1 = 1.857680-01 ATM. , RHO1 = 2.343586-01 AMA. , T1 = 216.65 K
 S1/R = 24.464 , A1 = 968.37 FT./SEC. , H1/R = 758.275 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
23000.	23.751	113.824 113.033 1.812237+04	.000000+00 725.083 758.842	.000000+00 11.9439 12.413	.000 41.6207 41.832	.0000 40.082 6.3950	.0000 4.566486+07 1.4597	.0000 1.1815 1.1822
24000.	24.784	123.848 123.022 2.054377+04	.000000+00 790.909 826.859	.000000+00 12.1964 12.663	.000 43.0681 43.284	.0000 40.780 6.6174	.0000 4.765029+07 1.5068	.0000 1.1845 1.1851
25000.	25.817	134.299 133.435 2.316293+04	.000000+00 859.480 897.682	.000000+00 12.4189 12.882	.000 44.5193 44.741	.0000 41.485 6.8470	.0000 4.963572+07 1.5557	.0000 1.1881 1.1889
26000.	26.849	145.176 144.269 2.599068+04	.000000+00 930.752 971.509	.000000+00 12.6078 13.069	.000 46.0011 46.232	.0000 42.197 7.0841	.0000 5.162114+07 1.6060	.0000 1.1922 1.1930
27000.	27.882	156.480 155.525 2.903153+04	.000000+00 1004.687 1048.037	.000000+00 12.7612 13.219	.000 47.5375 47.778	.0000 42.915 7.3327	.0000 5.360657+07 1.6574	.0000 1.1975 1.1985
28000.	28.915	168.210 167.201 3.229708+04	.000000+00 1081.191 1127.402	.000000+00 12.8756 13.331	.000 49.1592 49.415	.0000 43.637 7.5929	.0000 5.559200+07 1.7094	.0000 1.2037 1.2047
29000.	29.947	180.367 179.297 3.579911+04	.000000+00 1160.299 1209.658	.000000+00 12.9484 13.401	.000 50.9071 51.183	.0000 44.361 7.8685	.0000 5.757743+07 1.7614	.0000 1.2112 1.2122
30000.	30.980	192.951 191.810 3.954748+04	.000000+00 1241.845 1294.578	.000000+00 12.9749 13.425	.000 52.8340 53.135	.0000 45.084 8.1624	.0000 5.956286+07 1.8127	.0000 1.2197 1.2209
31000.	32.013	205.960 204.738 4.355826+04	.000000+00 1325.758 1382.184	.000000+00 12.9515 13.398	.000 55.0020 55.338	.0000 45.804 8.4779	.0000 6.154829+07 1.8621	.0000 1.2299 1.2312
32000.	33.045	219.397 218.080 4.784909+04	.000000+00 1411.912 1472.453	.000000+00 12.8770 13.320	.000 57.4828 57.858	.0000 46.516 8.8111	.0000 6.353371+07 1.9083	.0000 1.2403 1.2412
33000.	34.078	233.260 231.833 5.243696+04	.000000+00 1500.293 1565.254	.000000+00 12.7585 13.199	.000 60.3193 60.741	.0000 47.217 9.1556	.0000 6.551914+07 1.9500	.0000 1.2483 1.2492
34000.	35.111	247.550 246.000 5.733656+04	.000000+00 1590.998 1660.735	.000000+00 12.6156 13.056	.000 63.4810 63.943	.0000 47.903 9.4894	.0000 6.750457+07 1.9870	.0000 1.2513 1.2510
35000.	36.143	262.266 260.587 6.255193+04	.000000+00 1684.284 1759.011	.000000+00 12.4767 12.918	.000 66.8307 67.322	.0000 48.572 9.8049	.0000 6.949000+07 2.0201	.0000 1.2482 1.2477

ALTITUDE = 50000. FT.

P1 = 1.151150-01 ATM. , RHO1 = 1.452252-01 AMA. , T1 = 216.65 K
 S1/R = 24.942 , A1 = 968.37 FT./SEC. , H1/R = 758.275 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOF
6000.	6.196	8.678 8.461 2.277498+02	2.228461+03 45.747 50.437	2.719430+02 5.9523 6.418	7.753 7.6671 7.839	2.5163 28.786 2.3996	1.0557 7.381873+06 1.0013	1.3655 1.2965 1.2948
7000.	7.229	11.451 11.196 3.730105+02	6.223123+03 62.776 68.677	5.708121+02 6.4064 6.876	9.734 9.7730 9.961	2.9505 29.571 2.6789	1.1186 8.612185+06 1.0016	1.4112 1.2718 1.2697
8000.	8.261	14.650 14.360 5.698861+02	1.522977+04 82.684 89.911	1.060222+03 6.8658 7.346	11.756 11.9921 12.184	3.4749 30.314 2.9293	1.2204 9.842497+06 1.0034	1.4855 1.2412 1.2389
9000.	9.294	18.276 17.960 8.249810+02	.000000+00 105.644 114.081	.000000+00 7.3964 7.881	.000 14.1267 14.305	.0000 31.031 3.1467	.0000 1.107281+07 1.0107	.0000 1.2096 1.2089
10000.	10.327	22.328 21.994 1.145200+03	.000000+00 131.684 141.332	.000000+00 7.9857 8.473	.000 16.0646 16.229	.0000 31.742 3.3561	.0000 1.230312+07 1.0265	.0000 1.1934 1.1934
11000.	11.359	26.807 26.455 1.538571+03	.000000+00 160.666 171.528	.000000+00 8.5687 9.052	.000 17.8548 18.016	.0000 32.456 3.5750	.0000 1.353343+07 1.0505	.0000 1.1911 1.1920
12000.	12.392	31.712 31.339 2.013071+03	.000000+00 192.416 204.551	.000000+00 9.0751 9.549	.000 19.6303 19.800	.0000 33.177 3.8154	.0000 1.476375+07 1.0805	.0000 1.1996 1.2010
13000.	13.425	37.044 36.641 2.578278+03	.000000+00 226.755 240.449	.000000+00 9.4513 9.918	.000 21.5450 21.737	.0000 33.999 4.0870	.0000 1.599406+07 1.1140	.0000 1.2159 1.2176
14000.	14.457	42.803 42.357 3.246187+03	.000000+00 263.569 279.033	.000000+00 9.6869 10.146	.000 23.7397 23.963	.0000 34.614 4.3810	.0000 1.722437+07 1.1464	.0000 1.2325 1.2332
15000.	15.490	48.988 48.489 4.029416+03	.000000+00 302.862 320.398	.000000+00 9.8128 10.272	.000 26.2519 26.496	.0000 35.312 4.6575	.0000 1.845468+07 1.1758	.0000 1.2297 1.2291
16000.	16.523	55.599 55.051 4.939302+03	.000000+00 345.102 364.700	.000000+00 9.9791 10.445	.000 28.7415 28.979	.0000 35.992 4.8864	.0000 1.968499+07 1.2034	.0000 1.2099 1.2085
17000.	17.555	62.637 62.049 5.980992+03	.000000+00 390.547 412.208	.000000+00 10.2368 10.712	.000 30.9553 31.177	.0000 36.661 5.0924	.0000 2.091531+07 1.2328	.0000 1.1914 1.1909
18000.	18.588	70.102 69.482 7.155704+03	.000000+00 439.158 462.634	.000000+00 10.5571 11.033	.000 32.8882 33.097	.0000 37.329 5.2939	.0000 2.214562+07 1.2654	.0000 1.1813 1.1812
19000.	19.621	77.993 77.346 8.476442+03	.000000+00 490.819 516.143	.000000+00 10.9040 11.381	.000 34.6136 34.814	.0000 38.003 5.4932	.0000 2.337593+07 1.3011	.0000 1.1755 1.1758

ALTITUDE = 50000. FT.

P1 = 1.151150-01 ATM. , RH01 = 1.452252-01 AMA. , T1 = 216.65 K
 S1/R = 24.942 , A1 = 968.37 FT./SEC. , H1/R = 758.275 K

U1	H1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 RCP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMED GAMES GAMEOP
20000.	20.653	86.311 85.637 9.955157+03	.000000+00 545.440 572.582	.000000+00 11.2539 11.729	.000 36.1957 36.391	.0000 38.683 5.6943	.0000 2.460624+07 1.3398	.0000 1.1735 1.1738
21000.	21.686	95.056 94.356 1.160047+04	.000000+00 602.961 631.966	.000000+00 11.5936 12.067	.000 37.6784 37.872	.0000 39.372 5.8978	.0000 2.583656+07 1.3812	.0000 1.1733 1.1738
22000.	22.719	104.227 103.499 1.342008+04	.000000+00 663.332 694.372	.000000+00 11.9135 12.387	.000 39.0986 39.292	.0000 40.072 6.1039	.0000 2.706687+07 1.4250	.0000 1.1740 1.1745
23000.	23.751	113.824 113.067 1.544013+04	.000000+00 726.512 759.482	.000000+00 12.2076 12.677	.000 40.4847 40.680	.0000 40.782 6.3167	.0000 2.829718+07 1.4710	.0000 1.1765 1.1770
24000.	24.784	123.848 123.059 1.766305+04	.000000+00 792.474 827.592	.000000+00 12.4730 12.940	.000 41.8556 42.054	.0000 41.502 6.5346	.0000 2.952749+07 1.5190	.0000 1.1792 1.1799
25000.	25.817	134.299 133.473 1.819006+04	.000000+00 861.173 898.509	.000000+00 12.7051 13.169	.000 43.2386 43.443	.0000 42.231 6.7595	.0000 3.075780+07 1.5687	.0000 1.1830 1.1835
26000.	26.849	145.176 144.310 2.040834+04	.000000+00 932.582 972.303	.000000+00 12.9027 13.364	.000 44.6515 44.864	.0000 42.967 6.9944	.0000 3.198812+07 1.6198	.0000 1.1876 1.1883
27000.	27.882	156.480 155.568 2.279643+04	.000000+00 1006.646 1049.014	.000000+00 13.0611 13.520	.000 46.1269 46.351	.0000 43.710 7.2387	.0000 3.321843+07 1.6719	.0000 1.1927 1.1935
28000.	28.915	168.210 167.246 2.535972+04	.000000+00 1083.261 1128.436	.000000+00 13.1772 13.634	.000 47.6948 47.933	.0000 44.457 7.4980	.0000 3.444874+07 1.7247	.0000 1.1993 1.2003
29000.	29.947	180.367 179.344 2.810932+04	.000000+00 1162.473 1210.732	.000000+00 13.2474 13.701	.000 49.4011 49.659	.0000 45.206 7.7723	.0000 3.567905+07 1.7773	.0000 1.2072 1.2081
30000.	30.980	192.951 191.859 3.105356+04	.000000+00 1244.109 1295.692	.000000+00 13.2659 13.716	.000 51.3034 51.587	.0000 45.954 8.0690	.0000 3.690936+07 1.8290	.0000 1.2168 1.2180
31000.	32.013	205.960 204.789 3.420690+04	.000000+00 1328.063 1383.363	.000000+00 13.2267 13.673	.000 53.4810 53.800	.0000 46.697 8.3890	.0000 3.813968+07 1.8783	.0000 1.2282 1.2293
32000.	33.045	219.397 218.130 3.758196+04	.000000+00 1414.195 1473.529	.000000+00 13.1293 13.572	.000 56.0073 56.370	.0000 47.431 8.7288	.0000 3.936999+07 1.9238	.0000 1.2392 1.2401
33000.	34.078	233.260 231.882 4.119517+04	.000000+00 1502.510 1566.326	.000000+00 12.9841 13.424	.000 58.9215 59.330	.0000 48.152 9.0781	.0000 4.060030+07 1.9643	.0000 1.2479 1.2482

ALTITUDE = 50000. FT.

P1 = 1.151150-01 ATM. , RHD1 = 1.452252-01 AMA. , T1 = 216.65 K
 S1/R = 24.942 , A1 = 968.37 FT./SEC. , H1/R = 758.275 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
34000.	35.111	247.550 246.049 4.505395+04	.000000+00 1593.175 1661.780	.000000+00 12.8191 13.259	.000 62.1482 62.594	.0000 48.855 9.4137	.0000 4.183061+07 1.9999	.0000 1.2496 1.2496
35000.	36.143	262.266 260.638 4.915837+04	.000000+00 1686.514 1760.113	.000000+00 12.6688 13.111	.000 65.5052 65.974	.0000 49.541 9.7219	.0000 4.306093+07 2.0324	.0000 1.2451 1.2443

ALTITUDE = 60000. FT.

P1 = 7.136607-02 ATM. , RHD1 = 9.003302-02 AMA. , T1 = 216.65 K
 S1/R = 25.420 , A1 = 968.37 FT./SEC. , H1/R = 758.275 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	6.196	8.678 8.462 1.793424+02	2.274852+03 45.750 50.440	2.818020+02 5.9548 6.421	7.784 7.6679 7.840	2.4744 29.265 2.3985	1.0358 4.576425+06 1.0008	1.3403 1.2963 1.2942
7000.	7.229	11.451 11.196 2.937271+02	6.492446+03 62.783 68.682	6.125242+02 6.4107 6.881	9.812 9.7722 9.959	2.8632 30.050 2.6764	1.0789 5.339163+06 1.0011	1.3668 1.2705 1.2682
8000.	8.261	14.650 14.362 4.486928+02	1.641243+04 82.714 89.924	1.192705+03 6.8810 7.362	11.910 11.9715 12.159	3.3294 30.793 2.9211	1.1540 6.101900+06 1.0033	1.4236 1.2372 1.2346
9000.	9.294	18.276 17.964 6.493184+02	.000000+00 105.743 114.124	.000000+00 7.4399 7.927	.000 14.0427 14.213	.0000 31.515 3.1302	.0000 6.864638+06 1.0118	.0000 1.2034 1.2027
10000.	10.327	22.328 22.000 9.009913+02	.000000+00 131.864 141.434	.000000+00 8.0639 8.554	.000 15.8877 16.044	.0000 32.233 3.3338	.0000 7.627375+06 1.0294	.0000 1.1879 1.1879
11000.	11.359	26.807 26.464 1.209896+03	.000000+00 160.927 171.635	.000000+00 8.6766 9.161	.000 17.5853 17.737	.0000 32.959 3.5478	.0000 8.390113+06 1.0550	.0000 1.1864 1.1873
12000.	12.392	31.712 31.350 1.582531+03	.000000+00 192.746 204.726	.000000+00 9.2038 9.679	.000 19.2792 19.440	.0000 33.694 3.7853	.0000 9.152850+06 1.0867	.0000 1.1959 1.1973
13000.	13.425	37.044 36.652 2.026742+03	.000000+00 227.137 240.645	.000000+00 9.5885 10.055	.000 21.1347 21.318	.0000 34.433 4.0574	.0000 9.915588+06 1.1213	.0000 1.2140 1.2157
14000.	14.457	42.803 42.368 2.551918+03	.000000+00 263.955 279.260	.000000+00 9.8132 10.272	.000 23.3133 23.531	.0000 35.163 4.3532	.0000 1.067833+07 1.1540	.0000 1.2278 1.2319
15000.	15.490	48.988 48.500 3.168743+03	.000000+00 303.254 320.637	.000000+00 9.9270 10.389	.000 25.8264 26.061	.0000 35.875 4.6258	.0000 1.144106+07 1.1828	.0000 1.2264 1.2253

ALTITUDE = 60000. FT.

PI = 7.136607-02 ATM. , RHO1 = 9.003302-02 AMA. , T1 = 216.65 K
 S1/R = 25.420 , A1 = 968.37 FT./SEC. , H1/R = 758.275 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
16000.	16.523	55.599 55.064 3.881365+03	.000000+00 345.578 364.911	.000000+00 10.1051 10.573	.000 28.2611 28.485	.0000 36.568 4.8462	.0000 1.220380+07 1.2102	.0000 1.2035 1.2026
17000.	17.555	62.637 62.066 4.699314+03	.000000+00 391.156 412.412	.000000+00 10.3871 10.861	.000 30.3795 30.586	.0000 37.252 5.0459	.0000 1.296654+07 1.2399	.0000 1.1857 1.1850
18000.	18.588	70.102 69.502 5.621090+03	.000000+00 439.904 462.976	.000000+00 10.7321 11.209	.000 32.2121 32.406	.0000 37.936 5.2410	.0000 1.372928+07 1.2730	.0000 1.1752 1.1752
19000.	19.621	77.993 77.368 6.664260+03	.000000+00 491.697 516.619	.000000+00 11.1013 11.581	.000 33.8423 34.028	.0000 38.625 5.4349	.0000 1.449201+07 1.3094	.0000 1.1701 1.1701
20000.	20.653	86.311 85.663 7.827792+03	.000000+00 546.448 573.057	.000000+00 11.4719 11.948	.000 35.3349 35.516	.0000 39.324 5.6324	.0000 1.525475+07 1.3488	.0000 1.1686 1.1689
21000.	21.686	95.056 94.383 9.117505+03	.000000+00 604.093 632.499	.000000+00 11.8294 12.304	.000 36.7365 36.915	.0000 40.034 5.8309	.0000 1.601749+07 1.3909	.0000 1.1684 1.1688
22000.	22.719	104.227 103.529 1.055319+04	.000000+00 664.588 694.922	.000000+00 12.1653 12.638	.000 38.0798 38.259	.0000 40.755 6.0337	.0000 1.678023+07 1.4355	.0000 1.1696 1.1701
23000.	23.751	113.824 113.099 1.213035+04	.000000+00 727.896 760.266	.000000+00 12.4743 12.946	.000 39.3906 39.571	.0000 41.487 6.2411	.0000 1.754296+07 1.4822	.0000 1.1715 1.1722
24000.	24.784	123.848 123.093 1.386596+04	.000000+00 793.979 828.301	.000000+00 12.7513 13.219	.000 40.6948 40.878	.0000 42.230 6.4550	.0000 1.830570+07 1.5310	.0000 1.1747 1.1752
25000.	25.817	134.299 133.509 1.576904+04	.000000+00 862.809 899.295	.000000+00 12.9944 13.459	.000 42.0093 42.198	.0000 42.983 6.6768	.0000 1.906844+07 1.5815	.0000 1.1784 1.1791
26000.	26.849	145.176 144.348 1.785650+04	.000000+00 934.339 973.160	.000000+00 13.1990 13.661	.000 43.3635 43.560	.0000 43.744 6.9068	.0000 1.983118+07 1.6334	.0000 1.1828 1.1834
27000.	27.882	156.480 155.609 2.014772+04	.000000+00 1008.528 1049.867	.000000+00 13.3628 13.822	.000 44.7801 44.987	.0000 44.511 7.1498	.0000 2.059391+07 1.6864	.0000 1.1886 1.1893
28000.	28.915	168.210 167.290 2.265420+04	.000000+00 1085.307 1129.443	.000000+00 13.4803 13.937	.000 46.3010 46.522	.0000 45.284 7.4066	.0000 2.135665+07 1.7398	.0000 1.1954 1.1963
29000.	29.947	180.367 179.389 2.537920+04	.000000+00 1164.553 1211.713	.000000+00 13.5463 14.000	.000 47.9708 48.212	.0000 46.058 7.6824	.0000 2.211939+07 1.7930	.0000 1.2041 1.2051

ALTITUDE = 60000. FT.

P1 = 7.136607-02 ATM. , RHO1 = 9.003302-02 AMA. , T1 = 216.65 K
 S1/R = 25.420 , A1 = 968.37 FT./SEC. , H1/R = 758.275 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 RCP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
30000.	30.980	192.951 191.905 2.834063+04	.000000+00 1246.248 1296.792	.000000+00 13.5543 14.005	.000 49.8598 50.129	.0000 46.831 7.9798	.0000 2.288213+07 1.8449	.0000 1.2144 1.2153
31000.	32.013	205.960 204.835 3.156853+04	.000000+00 1330.235 1384.372	.000000+00 13.4969 13.943	.000 52.0554 52.361	.0000 47.598 8.3064	.0000 2.364486+07 1.8940	.0000 1.2272 1.2281
32000.	33.045	219.397 218.176 2.952829+04	.000000+00 1416.322 1474.581	.000000+00 13.3733 13.815	.000 54.6428 54.993	.0000 48.353 8.6556	.0000 2.440760+07 1.9386	.0000 1.2393 1.2405
33000.	34.078	233.260 231.927 3.237492+04	.000000+00 1504.565 1567.308	.000000+00 13.2003 13.640	.000 57.6395 58.035	.0000 49.093 9.0071	.0000 2.517034+07 1.9776	.0000 1.2474 1.2477
34000.	35.111	247.550 246.094 3.541432+04	.000000+00 1595.223 1662.737	.000000+00 13.0165 13.457	.000 60.9135 61.341	.0000 49.813 9.3367	.0000 2.593308+07 2.0119	.0000 1.2471 1.2468
35000.	36.143	262.266 260.686 3.864334+04	.000000+00 1688.676 1761.119	.000000+00 12.8608 13.304	.000 64.2401 64.684	.0000 50.514 9.6372	.0000 2.669581+07 2.0440	.0000 1.2394 1.2399
36000.	37.176	277.409 275.707 4.205761+04	.000000+00 1785.164 1862.512	.000000+00 12.7485 13.195	.000 67.4588 67.911	.0000 51.198 9.9173	.0000 2.745855+07 2.0759	.0000 1.2323 1.2314

ALTITUDE = 70000. FT.

P1 = 4.428958-02 ATM. , RHO1 = 5.554998-02 AMA. , T1 = 217.91 K
 S1/R = 25.918 , A1 = 971.19 FT./SEC. , H1/R = 762.701 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 RCP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	6.178	8.633 8.418 1.410044+02	2.265461+03 45.488 50.152	2.850447+02 5.9531 6.419	7.765 7.6283 7.799	2.4462 29.751 2.3984	1.0223 2.809861+06 1.0005	1.3228 1.2958 1.2937
7000.	7.208	11.390 11.137 2.308767+02	6.565507+03 62.426 68.290	6.359269+02 6.4117 6.882	9.815 9.7178 9.903	2.7992 30.535 2.6746	1.0506 3.278171+06 1.0008	1.3334 1.2691 1.2666
8000.	8.237	14.571 14.285 3.525715+02	1.703312+04 82.270 89.420	1.289363+03 6.8958 7.379	11.964 11.8795 12.062	3.2097 31.279 2.9126	1.1029 3.746482+06 1.0035	1.3702 1.2326 1.2299
9000.	9.267	18.175 17.869 5.099786+02	.000000+00 105.233 113.516	.000000+00 7.4863 7.975	.000 13.8680 14.029	.0000 32.005 3.1133	.0000 4.214792+06 1.0134	.0000 1.1973 1.1965
10000.	10.297	22.204 21.885 7.073166+02	.000000+00 131.296 140.698	.000000+00 8.1468 8.638	.000 15.6083 15.755	.0000 32.731 3.3112	.0000 4.683102+06 1.0327	.0000 1.1825 1.1826

ALTITUDE = 70000. FT.

P1 = 4.428958-02 ATM. , RHO1 = 5.554998-02 AMA. , T1 = 217.91 K
 S1/R = 25.918 , A1 = 971.19 FT./SEC. , H1/R = 762.701 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RC/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
11000.	11.326	26.657 26.325 9.492813+02	.000000+00 160.265 170.743	.000000+00 8.7889 9.273	.000 17.2072 17.349	.0000 33.470 3.5209	.0000 5.151412+06 1.0601	.0000 1.1820 1.1828
12000.	12.356	31.534 31.184 1.241066+03	.000000+00 191.960 203.720	.000000+00 9.3371 9.814	.000 18.8144 18.966	.0000 34.221 3.7558	.0000 5.619723+06 1.0932	.0000 1.1925 1.1939
13000.	13.386	36.835 36.456 1.589429+03	.000000+00 226.192 239.414	.000000+00 9.7270 10.193	.000 20.6088 20.784	.0000 34.976 4.0288	.0000 6.088033+06 1.1287	.0000 1.2124 1.2141
14000.	14.415	42.560 42.138 2.001386+03	.000000+00 262.778 277.779	.000000+00 9.9309 10.393	.000 22.7792 22.983	.0000 35.722 4.3175	.0000 6.556343+06 1.1615	.0000 1.2236 1.2254
15000.	15.445	48.709 48.235 2.486128+03	.000000+00 301.874 318.913	.000000+00 10.0388 10.500	.000 25.2752 25.499	.0000 36.448 4.5952	.0000 7.024653+06 1.1897	.0000 1.2232 1.2215
16000.	16.475	55.282 54.764 3.043730+03	.000000+00 344.047 363.117	.000000+00 10.2329 10.705	.000 27.6327 27.842	.0000 37.154 4.8049	.0000 7.492963+06 1.2168	.0000 1.1969 1.1959
17000.	17.504	62.280 61.728 3.682101+03	.000000+00 389.495 410.313	.000000+00 10.5413 11.017	.000 29.6413 29.833	.0000 37.852 4.9991	.0000 7.961274+06 1.2469	.0000 1.1793 1.1790
18000.	18.534	69.701 69.124 4.405788+03	.000000+00 438.094 460.617	.000000+00 10.9115 11.389	.000 31.3645 31.544	.0000 38.552 5.1888	.0000 8.429584+06 1.2806	.0000 1.1697 1.1696
19000.	19.564	77.547 76.947 5.221685+03	.000000+00 489.716 513.994	.000000+00 11.3042 11.783	.000 32.8933 33.065	.0000 39.259 5.3794	.0000 8.897894+06 1.3176	.0000 1.1654 1.1655
20000.	20.593	85.816 85.196 6.131590+03	.000000+00 544.271 570.257	.000000+00 11.6952 12.173	.000 34.2940 34.461	.0000 39.977 5.5708	.0000 9.366204+06 1.3577	.0000 1.1635 1.1640
21000.	21.623	94.510 93.868 7.148602+03	.000000+00 601.700 629.449	.000000+00 12.0707 12.547	.000 35.6110 35.776	.0000 40.707 5.7654	.0000 9.834514+06 1.4005	.0000 1.1639 1.1642
22000.	22.653	103.628 102.962 8.268981+03	.000000+00 661.963 691.475	.000000+00 12.4231 12.897	.000 36.8734 37.038	.0000 41.450 5.9640	.0000 1.030283+07 1.4459	.0000 1.1652 1.1656
23000.	23.682	113.169 112.479 9.507205+03	.000000+00 725.022 756.406	.000000+00 12.7463 13.217	.000 38.1096 38.275	.0000 42.205 6.1677	.0000 1.077113+07 1.4934	.0000 1.1674 1.1679
24000.	24.712	123.135 122.417 1.086366+04	.000000+00 790.845 824.290	.000000+00 13.0364 13.506	.000 39.3388 39.508	.0000 42.971 6.3779	.0000 1.123944+07 1.5429	.0000 1.1703 1.1710

ALTITUDE = 70000. FT.

P1 = 4.428958-02 ATM. , RH01 = 5.554998-02 AMA. , T1 = 217.91 K
 S1/R = 25.918 , A1 = 971.19 FT./SEC. , H1/R = 762.701 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
5000.	25.742	133.525 132.775 1.234797+04	.000000+00 859.392 894.841	.000000+00 13.2891 13.754	.000 40.5866 40.760	.0000 43.748 6.5955	.0000 1.170776+07 1.5942	.0000 1.1742 1.1748
6000.	26.771	144.339 143.553 1.396982+04	.000000+00 930.629 968.341	.000000+00 13.5020 13.964	.000 41.8729 42.054	.0000 44.535 6.8232	.0000 1.217607+07 1.6469	.0000 1.1789 1.1796
7000.	27.801	155.578 154.750 1.574352+04	.000000+00 1004.501 1044.678	.000000+00 13.6699 14.130	.000 43.2317 43.422	.0000 45.328 7.0622	.0000 1.264438+07 1.7006	.0000 1.1845 1.1852
8000.	28.831	167.240 166.365 1.769125+04	.000000+00 1080.945 1123.803	.000000+00 13.7885 14.246	.000 44.6979 44.903	.0000 46.126 7.3180	.0000 1.311269+07 1.7548	.0000 1.1918 1.1927
9000.	29.860	179.326 178.395 1.981703+04	.000000+00 1159.805 1205.705	.000000+00 13.8487 14.303	.000 46.3300 46.556	.0000 46.927 7.5942	.0000 1.358100+07 1.8084	.0000 1.2011 1.2021
0000.	30.890	191.837 190.840 2.212823+04	.000000+00 1241.077 1290.241	.000000+00 13.8440 14.295	.000 48.2024 48.456	.0000 47.724 7.8961	.0000 1.404931+07 1.8605	.0000 1.2127 1.2137
1000.	31.920	204.771 203.695 2.464150+04	.000000+00 1324.578 1377.356	.000000+00 13.7647 14.210	.000 50.4168 50.709	.0000 48.515 8.2293	.0000 1.451762+07 1.9091	.0000 1.2265 1.2275
2000.	32.949	218.130 216.957 2.738607+04	.000000+00 1410.094 1466.981	.000000+00 13.6109 14.052	.000 53.0653 53.404	.0000 49.292 8.5860	.0000 1.498593+07 1.9525	.0000 1.2399 1.2407
3000.	33.979	231.912 230.628 3.034907+04	.000000+00 1497.756 1559.135	.000000+00 13.4098 13.849	.000 56.1268 56.507	.0000 50.050 8.9371	.0000 1.545424+07 1.9900	.0000 1.2463 1.2465
4000.	35.008	246.119 244.714 3.340231+04	.000000+00 1587.927 1654.045	.000000+00 13.2120 13.653	.000 59.4011 59.807	.0000 50.787 9.2578	.0000 1.592255+07 2.0233	.0000 1.2433 1.2429
5000.	36.038	260.750 259.226 3.667455+04	.000000+00 1681.009 1751.944	.000000+00 13.0566 13.501	.000 62.6425 63.060	.0000 51.503 9.5497	.0000 1.639086+07 2.0553	.0000 1.2352 1.2348
6000.	37.068	275.805 274.166 3.996823+04	.000000+00 1777.195 1852.888	.000000+00 12.9526 13.401	.000 65.7159 66.137	.0000 52.203 9.8233	.0000 1.685917+07 2.0881	.0000 1.2266 1.2262

ALTITUDE = 80000. FT.

P1 = 2.764892-02 ATM. , RHO1 = 3.420354-02 AMA. , T1 = 220.94 K
 S1/R = 26.438 , A1 = 977.91 FT./SEC. , H1/R = 773.293 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 RCP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMED GAMES GAMEOP
6000.	6.136	8.529 8.316 1.108805+02	2.191169+03 44.868 49.474	2.810429+02 5.9461 6.413	7.683 7.5345 7.704	2.4288 30.242 2.3995	1.0135 1.710224+06 1.0003	1.3112 1.2953 1.2932
7000.	7.158	11.248 10.998 1.814429+02	6.411596+03 61.580 67.366	6.382723+02 6.4088 6.880	9.729 9.5916 9.773	2.7553 31.025 2.6734	1.0313 1.995262+06 1.0007	1.3097 1.2675 1.2648
8000.	8.181	14.385 14.105 2.769234+02	1.695174+04 81.188 88.220	1.335644+03 6.9107 7.395	11.894 11.6934 11.868	3.1193 31.770 2.9036	1.0657 2.280299+06 1.0039	1.3285 1.2276 1.2247
9000.	9.203	17.940 17.642 4.002949+02	4.071368+04 103.907 112.028	2.558864+03 7.5359 8.027	14.114 13.5780 13.729	3.5529 32.499 3.0959	1.1259 2.565336+06 1.0153	1.3749 1.1910 1.1901
10000.	10.226	21.914 21.605 5.548225+02	.000000+00 129.688 138.843	.000000+00 8.2329 8.724	.000 15.2019 15.337	.0000 33.235 3.2887	.0000 2.850374+06 1.0364	.0000 1.1775 1.1776
11000.	11.248	26.305 25.986 7.443176+02	.000000+00 158.337 168.567	.000000+00 8.9050 9.391	.000 16.6947 16.827	.0000 33.987 3.4944	.0000 3.135411+06 1.0654	.0000 1.1780 1.1789
12000.	12.271	31.116 30.780 9.724440+02	.000000+00 189.672 201.085	.000000+00 9.4735 9.950	.000 18.2108 18.352	.0000 34.754 3.7269	.0000 3.420448+06 1.0999	.0000 1.1896 1.1910
13000.	13.294	36.344 35.981 1.245001+03	.000000+00 223.462 236.285	.000000+00 9.8652 10.330	.000 19.9408 20.107	.0000 35.527 4.0021	.0000 3.705486+06 1.1363	.0000 1.2117 1.2134
14000.	14.316	41.991 41.584 1.568196+03	.000000+00 259.505 274.113	.000000+00 10.0402 10.500	.000 22.1038 22.301	.0000 36.289 4.2959	.0000 3.990523+06 1.1692	.0000 1.2266 1.2250
15000.	15.339	48.056 47.598 1.948760+03	.000000+00 298.104 314.690	.000000+00 10.1479 10.609	.000 24.5565 24.768	.0000 37.028 4.5647	.0000 4.275560+06 1.1961	.0000 1.2190 1.2173
16000.	16.361	54.539 54.040 2.385109+03	.000000+00 339.806 358.361	.000000+00 10.3627 10.836	.000 26.8103 27.004	.0000 37.746 4.7644	.0000 4.560598+06 1.2232	.0000 1.1907 1.1895
17000.	17.384	61.440 60.912 2.883946+03	.000000+00 384.766 405.105	.000000+00 10.6993 11.180	.000 28.6924 28.869	.0000 38.459 4.9525	.0000 4.845635+06 1.2537	.0000 1.1734 1.1729
18000.	18.407	68.760 68.209 3.448901+03	.000000+00 432.828 454.747	.000000+00 11.0956 11.577	.000 30.2985 30.462	.0000 39.175 5.1379	.0000 5.130673+06 1.2880	.0000 1.1646 1.1646
19000.	19.429	76.498 75.928 4.082675+03	.000000+00 483.864 507.316	.000000+00 11.5115 11.991	.000 31.7205 31.877	.0000 39.901 5.3238	.0000 5.415710+06 1.3257	.0000 1.1606 1.1609

ALTITUDE = 80000. FT.

P1 = 2.764892-02 ATM. , RHO1 = 3.420354-02 AMA. , T1 = 220.94 K
 S1/R = 26.438 , A1 = 977.91 FT./SEC. , H1/R = 773.293 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOF
20000.	20.452	84.655 84.066 4.797708+03	.000000+00 537.786 562.929	.000000+00 11.9227 12.402	.000 33.0248 33.177	.0000 40.638 5.5107	.0000 5.700747+06 1.3665	.0000 1.1592 1.1594
21000.	21.474	93.229 92.621 5.590287+03	.000000+00 594.544 621.313	.000000+00 12.3173 12.794	.000 34.2506 34.400	.0000 41.389 5.7018	.0000 5.985785+06 1.4100	.0000 1.1597 1.1601
22000.	22.497	102.222 101.593 6.469422+03	.000000+00 654.091 682.594	.000000+00 12.6856 13.160	.000 35.4308 35.580	.0000 42.154 5.8959	.0000 6.270822+06 1.4560	.0000 1.1609 1.1614
23000.	23.519	111.633 110.981 7.436884+03	.000000+00 716.400 746.681	.000000+00 13.0237 13.495	.000 36.5857 36.737	.0000 42.932 6.0958	.0000 6.555859+06 1.5043	.0000 1.1633 1.1638
24000.	24.542	121.463 120.784 8.500749+03	.000000+00 781.432 813.608	.000000+00 13.3259 13.795	.000 37.7396 37.894	.0000 43.722 6.3019	.0000 6.840897+06 1.5546	.0000 1.1664 1.1668
25000.	25.565	131.710 131.002 9.662074+03	.000000+00 849.158 883.387	.000000+00 13.5895 14.056	.000 38.9117 39.071	.0000 44.525 6.5168	.0000 7.125934+06 1.6066	.0000 1.1703 1.1710
26000.	26.587	142.376 141.635 1.092911+04	.000000+00 919.530 955.876	.000000+00 13.8096 14.273	.000 40.1296 40.295	.0000 45.336 6.7407	.0000 7.410972+06 1.6601	.0000 1.1750 1.1756
27000.	27.610	153.460 152.680 1.230922+04	.000000+00 992.500 1031.237	.000000+00 13.9821 14.443	.000 41.4204 41.596	.0000 46.156 6.9789	.0000 7.696009+06 1.7145	.0000 1.1813 1.1820
28000.	28.632	164.963 164.138 1.381768+04	.000000+00 1067.992 1109.353	.000000+00 14.0999 14.558	.000 42.8294 43.018	.0000 46.981 7.2324	.0000 7.981046+06 1.7693	.0000 1.1886 1.1895
29000.	29.655	176.884 176.005 1.547967+04	.000000+00 1145.848 1190.166	.000000+00 14.1540 14.609	.000 44.4143 44.624	.0000 47.807 7.5103	.0000 8.266084+06 1.8234	.0000 1.1987 1.1998
30000.	30.678	189.223 188.279 1.728519+04	.000000+00 1226.033 1273.543	.000000+00 14.1333 14.584	.000 46.2667 46.505	.0000 48.630 7.8173	.0000 8.551121+06 1.8755	.0000 1.2115 1.2126
31000.	31.700	201.980 200.959 1.924622+04	.000000+00 1308.366 1359.447	.000000+00 14.0276 14.472	.000 48.4975 48.776	.0000 49.444 8.1589	.0000 8.836158+06 1.9235	.0000 1.2270 1.2281
32000.	32.723	215.156 214.037 2.137882+04	.000000+00 1392.620 1447.754	.000000+00 13.8400 14.280	.000 51.1966 51.522	.0000 50.242 8.5211	.0000 9.121196+06 1.9654	.0000 1.2404 1.2410
33000.	33.745	228.749 227.520 2.369563+04	.000000+00 1479.027 1538.632	.000000+00 13.6123 14.051	.000 54.2871 54.649	.0000 51.018 8.8668	.0000 9.406233+06 2.0013	.0000 1.2445 1.2442

ALTITUDE = 80000. FT.

P1 = 2.764892-02 ATM. , RHO1 = 3.420354-02 AMA. , T1 = 220.94 K
 S1/R = 26.438 , A1 = 977.91 FT./SEC. , H1/R = 773.293 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
34000.	34.768	242.762 241.416 2.606496+04	.000000+00 1568.060 1632.322	.000000+00 13.4071 13.849	.000 57.5014 57.881	.0000 51.770 9.1765	.0000 9.691270+06 2.0339	.0000 1.2385 1.2381
35000.	35.791	257.192 255.734 2.856934+04	.000000+00 1660.092 1728.973	.000000+00 13.2582 13.704	.000 60.5985 60.984	.0000 52.502 9.4575	.0000 9.976308+06 2.0663	.0000 1.2291 1.2286
36000.	36.813	272.041 270.477 3.110291+04	.000000+00 1755.253 1828.673	.000000+00 13.1665 13.616	.000 63.4849 63.874	.0000 53.217 9.7301	.0000 1.026135+07 2.1002	.0000 1.2212 1.2216

ALTITUDE = 90000. FT.

P1 = 1.737921-02 ATM. , RHO1 = 2.120901-02 AMA. , T1 = 223.96 K
 S1/R = 26.949 , A1 = 984.58 FT./SEC. , H1/R = 783.874 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	6.094	8.427 8.217 8.749847+01	2.114544+03 44.265 48.815	2.756896+02 5.9388 6.405	7.598 7.4432 7.610	2.4187 30.726 2.4006	1.0082 1.048515+06 1.0002	1.3040 1.2949 1.2927
7000.	7.110	11.109 10.863 1.430935+02	6.221846+03 60.757 66.469	6.330765+02 6.4061 6.878	9.631 9.4678 9.646	2.7279 31.508 2.6719	1.0192 1.223267+06 1.0006	1.2944 1.2658 1.2628
8000.	8.125	14.204 13.929 2.182618+02	1.665498+04 80.137 87.056	1.353955+03 6.9281 7.414	11.797 11.5062 11.673	3.0581 32.253 2.8937	1.0415 1.398020+06 1.0046	1.2997 1.2223 1.2192
9000.	9.141	17.711 17.421 3.152976+02	4.086375+04 102.629 110.596	2.685861+03 7.5902 8.085	14.035 13.2870 13.427	3.4383 32.988 3.0782	1.0828 1.572772+06 1.0175	1.3284 1.1851 1.1842
10000.	10.157	21.631 21.334 4.367522+02	.000000+00 128.147 137.070	.000000+00 8.3243 8.816	.000 14.8014 14.927	.0000 33.734 3.2661	.0000 1.747524+06 1.0403	.0000 1.1727 1.1729
11000.	11.172	25.964 25.657 5.855863+02	.000000+00 156.481 166.455	.000000+00 9.0259 9.513	.000 16.1963 16.320	.0000 34.500 3.4679	.0000 1.922277+06 1.0709	.0000 1.1742 1.1751
12000.	12.188	30.709 30.387 7.648156+02	.000000+00 187.441 198.560	.000000+00 9.6122 10.090	.000 17.6308 17.764	.0000 35.283 3.6987	.0000 2.097029+06 1.1065	.0000 1.1869 1.1884
13000.	13.204	35.867 35.518 9.789048+02	.000000+00 220.799 233.326	.000000+00 10.0035 10.469	.000 19.3065 19.466	.0000 36.073 3.9773	.0000 2.271782+06 1.1436	.0000 1.2116 1.2134
14000.	14.219	41.437 41.045 1.233154+03	.000000+00 256.330 270.589	.000000+00 10.1538 10.609	.000 21.4636 21.661	.0000 36.851 4.2838	.0000 2.446534+06 1.1761	.0000 1.2330 1.2300

ALTITUDE = 90000. FT.

P1 = 1.737921-02 ATM. , RHO1 = 2.120901-02 AMA. , T1 = 223.96 K
 S1/R = 26.949 , A1 = 984.58 FT./SEC. , H1/R = 783.874 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
15000.	15.235	47.420 46.979 1.532600+03	.000000+00 294.426 310.666	.000000+00 10.2547 10.719	.000 23.8828 24.083	.0000 37.602 4.5335	.0000 2.621287+06 1.2020	.0000 1.2141 1.2122
16000.	16.251	53.816 53.336 1.876803+03	.000000+00 335.678 353.730	.000000+00 10.4936 10.968	.000 26.0284 26.207	.0000 38.333 4.7252	.0000 2.796039+06 1.2291	.0000 1.1847 1.1835
17000.	17.266	60.625 60.119 2.268844+03	.000000+00 380.161 399.816	.000000+00 10.8594 11.338	.000 27.7892 27.950	.0000 39.060 4.9078	.0000 2.970792+06 1.2601	.0000 1.1681 1.1677
18000.	18.282	67.845 67.320 2.711082+03	.000000+00 427.694 448.903	.000000+00 11.2816 11.762	.000 29.2854 29.435	.0000 39.793 5.0889	.0000 3.145544+06 1.2950	.0000 1.1600 1.1600
19000.	19.298	75.479 74.937 3.207814+03	.000000+00 478.152 500.871	.000000+00 11.7199 12.200	.000 30.6113 30.754	.0000 40.536 5.2697	.0000 3.320296+06 1.3333	.0000 1.1561 1.1563
20000.	20.313	83.525 82.966 3.763959+03	.000000+00 531.455 555.749	.000000+00 12.1521 12.632	.000 31.8259 31.965	.0000 41.293 5.4535	.0000 3.495049+06 1.3748	.0000 1.1552 1.1555
21000.	21.329	91.984 91.408 4.384498+03	.000000+00 587.549 613.479	.000000+00 12.5643 13.043	.000 32.9709 33.108	.0000 42.065 5.6389	.0000 3.669801+06 1.4190	.0000 1.1554 1.1557
22000.	22.345	100.856 100.260 5.073830+03	.000000+00 646.399 673.899	.000000+00 12.9495 13.424	.000 34.0735 34.210	.0000 42.852 5.8307	.0000 3.844554+06 1.4657	.0000 1.1572 1.1577
23000.	23.360	110.140 109.523 5.833582+03	.000000+00 707.967 737.182	.000000+00 13.3012 13.773	.000 35.1573 35.295	.0000 43.653 6.0261	.0000 4.019306+06 1.5146	.0000 1.1594 1.1598
24000.	24.376	119.836 119.195 6.668805+03	.000000+00 772.229 803.274	.000000+00 13.6163 14.086	.000 36.2403 36.381	.0000 44.468 6.2291	.0000 4.194059+06 1.5657	.0000 1.1626 1.1631
25000.	25.392	129.946 129.277 7.584358+03	.000000+00 839.144 872.124	.000000+00 13.8894 14.356	.000 37.3467 37.492	.0000 45.295 6.4399	.0000 4.368811+06 1.6184	.0000 1.1666 1.1670
26000.	26.407	140.468 139.768 8.580610+03	.000000+00 908.672 943.730	.000000+00 14.1172 14.580	.000 38.4988 38.651	.0000 46.133 6.6625	.0000 4.543563+06 1.6726	.0000 1.1718 1.1724
27000.	27.423	151.402 150.666 9.667082+03	.000000+00 980.757 1018.138	.000000+00 14.2933 14.754	.000 39.7315 39.892	.0000 46.978 6.8970	.0000 4.718316+06 1.7277	.0000 1.1777 1.1784
28000.	28.438	162.750 161.971 1.084726+04	.000000+00 1055.320 1095.255	.000000+00 14.4103 14.869	.000 41.0873 41.262	.0000 47.829 7.1519	.0000 4.893068+06 1.7831	.0000 1.1861 1.1870

ALTITUDE = 90000. FT.

P1 = 1.737921-02 ATM. , RH01 = 2.120901-02 AMA. , T1 = 223.96 K
 S1/R = 26.949 , A1 = 984.58 FT./SEC. , H1/R = 783.874 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 RCP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
29000.	29.454	174.509 173.679 1.214218+04	.000000+00 1132.244 1174.999	.000000+00 14.4566 14.911	.000 42.6346 42.830	.0000 48.681 7.4306	.0000 5.067821+06 1.8376	.0000 1.1967 1.1978
30000.	30.470	186.682 185.787 1.357784+04	.000000+00 1211.300 1257.270	.000000+00 14.4169 14.867	.000 44.4745 44.701	.0000 49.529 7.7440	.0000 5.242573+06 1.8896	.0000 1.2112 1.2123
31000.	31.485	199.267 198.295 1.511875+04	.000000+00 1292.469 1341.928	.000000+00 14.2802 14.723	.000 46.7353 47.003	.0000 50.366 8.0945	.0000 5.417326+06 1.9368	.0000 1.2279 1.2289
32000.	32.501	212.265 211.195 1.678051+04	.000000+00 1375.484 1429.008	.000000+00 14.0566 14.496	.000 49.4904 49.803	.0000 51.184 8.4609	.0000 5.592078+06 1.9771	.0000 1.2409 1.2414
33000.	33.517	225.675 224.496 1.857948+04	.000000+00 1460.708 1518.669	.000000+00 13.8069 14.247	.000 52.5894 52.932	.0000 51.977 8.7975	.0000 5.766831+06 2.0115	.0000 1.2414 1.2412
34000.	34.532	239.498 238.209 2.043508+04	.000000+00 1548.687 1611.153	.000000+00 13.6012 14.045	.000 55.7096 56.063	.0000 52.744 9.0930	.0000 5.941583+06 2.0437	.0000 1.2329 1.2322
35000.	35.548	253.734 252.339 2.234388+04	.000000+00 1639.737 1706.636	.000000+00 13.4637 13.911	.000 58.6431 58.999	.0000 53.492 9.3658	.0000 6.116336+06 2.0768	.0000 1.2229 1.2224
36000.	36.564	268.382 266.889 2.432666+04	.000000+00 1733.901 1805.129	.000000+00 13.3853 13.837	.000 61.3435 61.699	.0000 54.223 9.6249	.0000 6.291088+06 2.1119	.0000 1.2145 1.2139
37000.	37.579	283.443 281.858 2.629624+04	.000000+00 1831.114 1906.603	.000000+00 13.3498 13.804	.000 63.8343 64.190	.0000 54.944 9.8823	.0000 6.465840+06 2.1492	.0000 1.2087 1.2087

ALTITUDE = 100000. FT.

P1 = 1.099700-02 ATM. , RH01 = 1.324179-02 AMA. , T1 = 226.98 K
 S1/R = 27.454 , A1 = 991.20 FT./SEC. , H1/R = 794.446 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 RCP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	6.053	8.328 8.120 6.928315+01	2.036346+03 43.678 48.175	2.693792+02 5.9312 6.398	7.513 7.3543 7.520	2.4133 31.203 2.4019	1.0050 6.473829+05 1.0001	1.2995 1.2947 1.2924
7000.	7.062	10.975 10.732 1.132346+02	6.009240+03 59.958 65.596	6.226781+02 6.4039 6.876	9.526 9.3463 9.521	2.7111 31.984 2.6700	1.0118 7.552800+05 1.0007	1.2846 1.2637 1.2605
8000.	8.071	14.028 13.758 1.726077+02	1.621169+04 79.120 85.927	1.351092+03 6.9488 7.437	11.680 11.3176 11.477	3.0177 32.730 2.8827	1.0261 8.631772+05 1.0055	1.2801 1.2164 1.2133

ALTITUDE = 100000. FT.

P1 = 1.099700-02 ATM. , RHO1 = 1.324179-02 AMA. , T1 = 226.98 K
 S1/R = 27.454 , A1 = 991.20 FT./SEC. , H1/R = 794.446 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
9000.	9.080	17.489 17.207 2.491845+02	4.037169+04 101.393 109.200	2.749639+03 7.6491 8.146	13.915 12.9958 13.127	3.3564 33.471 3.0603	1.0539 9.710743+05 1.0200	1.2942 1.1795 1.1785
10000.	10.089	21.357 21.070 3.449884+02	9.316136+04 126.648 135.368	5.202627+03 8.4196 8.913	16.220 14.4076 14.525	3.7631 34.227 3.2434	1.1026 1.078971+06 1.0443	1.3340 1.1682 1.1685
11000.	11.098	25.632 25.337 4.621538+02	.000000+00 154.668 164.349	.000000+00 9.1492 9.636	.000 15.7141 15.828	.0000 35.007 3.4417	.0000 1.186869+06 1.0762	.0000 1.1705 1.1714
12000.	12.107	30.314 30.005 6.035957+02	.000000+00 185.266 196.068	.000000+00 9.7528 10.230	.000 17.0753 17.200	.0000 35.807 3.6711	.0000 1.294766+06 1.1130	.0000 1.1846 1.1861
13000.	13.115	35.403 35.068 7.722349+02	.000000+00 218.196 230.331	.000000+00 10.1398 10.602	.000 18.7078 18.860	.0000 36.615 3.9542	.0000 1.402663+06 1.1505	.0000 1.2120 1.2140
14000.	14.124	40.899 40.520 9.732054+02	.000000+00 253.220 267.159	.000000+00 10.2615 10.717	.000 20.8698 21.060	.0000 37.409 4.2712	.0000 1.510560+06 1.1823	.0000 1.2346 1.2343
15000.	15.133	46.803 46.376 1.209456+03	.000000+00 290.839 306.673	.000000+00 10.3600 10.825	.000 23.2482 23.436	.0000 38.171 4.5022	.0000 1.618457+06 1.2074	.0000 1.2089 1.2068
16000.	16.142	53.113 52.652 1.481367+03	.000000+00 331.659 349.215	.000000+00 10.6266 11.102	.000 25.2823 25.447	.0000 38.915 4.6863	.0000 1.726354+06 1.2346	.0000 1.1787 1.1777
17000.	17.151	59.831 59.347 1.790692+03	.000000+00 375.673 394.784	.000000+00 11.0214 11.502	.000 26.9284 27.077	.0000 39.656 4.8639	.0000 1.834251+06 1.2661	.0000 1.1628 1.1626
18000.	18.160	66.956 66.454 2.139782+03	.000000+00 422.686 443.275	.000000+00 11.4692 11.951	.000 28.3240 28.462	.0000 40.405 5.0405	.0000 1.942149+06 1.3016	.0000 1.1554 1.1554
19000.	19.169	74.488 73.971 2.533595+03	.000000+00 472.575 494.668	.000000+00 11.9298 12.413	.000 29.5606 29.692	.0000 41.166 5.2175	.0000 2.050046+06 1.3406	.0000 1.1520 1.1522
20000.	20.178	82.427 81.896 2.969965+03	.000000+00 525.268 548.810	.000000+00 12.3819 12.863	.000 30.6948 30.822	.0000 41.943 5.3970	.0000 2.157943+06 1.3826	.0000 1.1512 1.1515
21000.	21.186	90.773 90.226 3.458966+03	.000000+00 580.714 605.734	.000000+00 12.8125 13.290	.000 31.7650 31.891	.0000 42.736 5.5798	.0000 2.265840+06 1.4275	.0000 1.1519 1.1522
22000.	22.195	99.527 98.962 3.997145+03	.000000+00 638.876 665.503	.000000+00 13.2135 13.690	.000 32.7978 32.923	.0000 43.545 5.7663	.0000 2.373737+06 1.4748	.0000 1.1532 1.1537

ALTITUDE = 100000. FT.

P1 = 1.099700-02 ATM. , RH01 = 1.324179-02 AMA. , T1 = 226.98 K
 S1/R = 27.454 , A1 = 991.20 FT./SEC. , H1/R = 794.446 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 RCP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
23000.	23.204	108.687 108.103 4.592556+03	.000000+00 699.724 727.947	.000000+00 13.5798 14.052	.000 33.8149 33.941	.0000 44.369 5.9598	.0000 2.481634+06 1.5244	.0000 1.1561 1.1566
24000.	24.213	118.255 117.649 5.246610+03	.000000+00 763.226 793.185	.000000+00 13.9065 14.376	.000 34.8354 34.964	.0000 45.208 6.1584	.0000 2.589532+06 1.5761	.0000 1.1590 1.1595
25000.	25.222	128.230 127.598 5.966654+03	.000000+00 829.351 861.172	.000000+00 14.1902 14.657	.000 35.8794 36.012	.0000 46.060 6.3667	.0000 2.697429+06 1.6296	.0000 1.1631 1.1637
26000.	26.231	138.612 137.950 6.757463+03	.000000+00 898.050 931.874	.000000+00 14.4247 14.888	.000 36.9744 37.113	.0000 46.923 6.5854	.0000 2.805326+06 1.6845	.0000 1.1682 1.1687
27000.	27.240	149.401 148.705 7.615790+03	.000000+00 969.268 1005.355	.000000+00 14.6044 15.066	.000 38.1519 38.301	.0000 47.795 6.8201	.0000 2.913223+06 1.7402	.0000 1.1750 1.1758
28000.	28.249	160.597 159.860 8.553788+03	.000000+00 1042.918 1081.502	.000000+00 14.7192 15.178	.000 39.4618 39.624	.0000 48.672 7.0729	.0000 3.021120+06 1.7961	.0000 1.1834 1.1842
29000.	29.258	172.201 171.414 9.570152+03	.000000+00 1118.869 1160.201	.000000+00 14.7552 15.210	.000 40.9789 41.162	.0000 49.550 7.3555	.0000 3.129017+06 1.8509	.0000 1.1955 1.1964
30000.	30.266	184.211 183.362 1.069802+04	.000000+00 1196.934 1241.363	.000000+00 14.6945 15.143	.000 42.8156 43.030	.0000 50.422 7.6755	.0000 3.236914+06 1.9028	.0000 1.2112 1.2122
31000.	31.275	196.629 195.701 1.192878+04	.000000+00 1276.880 1324.846	.000000+00 14.5217 14.964	.000 45.1181 45.376	.0000 51.281 8.0356	.0000 3.344812+06 1.9488	.0000 1.2292 1.2301
32000.	32.284	209.453 208.428 1.323825+04	.000000+00 1358.688 1410.718	.000000+00 14.2615 14.700	.000 47.9294 48.230	.0000 52.118 8.4028	.0000 3.452709+06 1.9874	.0000 1.2407 1.2411
33000.	33.293	222.685 221.554 1.463222+04	.000000+00 1442.807 1499.204	.000000+00 13.9961 14.437	.000 51.0678 51.331	.0000 52.926 8.7267	.0000 3.560606+06 2.0206	.0000 1.2375 1.2370
34000.	34.302	236.324 235.087 1.608413+04	.000000+00 1529.755 1590.384	.000000+00 13.7962 14.242	.000 54.0052 54.327	.0000 53.709 9.0111	.0000 3.668503+06 2.0531	.0000 1.2258 1.2265
35000.	35.311	250.371 249.036 1.756886+04	.000000+00 1619.868 1684.908	.000000+00 13.6735 14.123	.000 56.7653 57.093	.0000 54.472 9.2734	.0000 3.776400+06 2.0870	.0000 1.2162 1.2159
36000.	36.320	264.824 263.398 1.911371+04	.000000+00 1713.051 1782.249	.000000+00 13.6104 14.064	.000 59.2812 59.607	.0000 55.220 9.5279	.0000 3.884297+06 2.1234	.0000 1.2085 1.2084

ALTITUDE = 100000. FT.

P1 = 1.099700-02 ATM. , RHO1 = 1.324179-02 AMA. , T1 = 226.98 K
S1/R = 27.454 , A1 = 991.20 FT./SEC. , H1/R = 794.446 K

U1	M1	H0/H1	P0/P1	R0/R1	T0/T1	A0/AA	Z0	GAME0
		HS/H1	PS/P1	RS/R1	TS/T1	SS/R	RE/FT.	GAMES
		Q RT RN	POP/P1	ROP/R1	TOP/T1	AOP/AA	ZOP	GAMEOP
37000.	37.329	279.684	.000000+00	.000000+00	.000	.0000	.0000	.0000
		278.175	1809.357	13.5907	61.5886	55.959	3.992194+06	1.2029
		2.067930+04	1882.493	14.045	61.915	9.7823	2.1621	1.2043
38000.	38.337	294.952	.000000+00	.000000+00	.000	.0000	.0000	.0000
		293.361	1908.467	13.5945	63.7400	56.691	4.100092+06	1.1999
		2.223133+04	1985.600	14.051	64.067	10.0266	2.2031	1.2000

ALTITUDE = 110000. FT.

P1 = 7.011179-03 ATM. , RHO1 = 8.244355-03 AMA. , T1 = 232.44 K
S1/R = 27.987 , A1 = 1003.03 FT./SEC. , H1/R = 813.525 K

U1	M1	H0/H1	P0/P1	R0/R1	T0/T1	A0/AA	Z0	GAME0
		HS/H1	PS/P1	RS/R1	TS/T1	SS/R	RE/FT.	GAMES
		Q RT RN	POP/P1	ROP/R1	TOP/T1	AOP/AA	ZOP	GAMEOP
6000.	5.982	8.157	1.898469+03	2.569349+02	7.358	2.4116	1.0030	1.2966
		7.952	42.657	5.9174	7.1996	31.688	3.952204+05	1.2942
		5.487480+01	47.061	6.385	7.362	2.4044	1.0001	1.2919
7000.	6.979	10.741	5.604350+03	5.958411+02	9.328	2.7014	1.0071	1.2781
		10.503	58.565	6.3978	9.1372	32.467	4.610905+05	1.2611
		8.958809+01	64.077	6.871	9.307	2.6683	1.0008	1.2577
8000.	7.976	13.723	1.518426+04	1.305016+03	11.438	2.9907	1.0160	1.2663
		13.461	77.326	6.9707	11.0157	33.214	5.269605+05	1.2100
		1.364309+02	83.953	7.462	11.165	2.8711	1.0065	1.2068
9000.	8.973	17.102	3.819724+04	2.706221+03	13.629	3.2972	1.0343	1.2687
		16.831	99.157	7.7117	12.5736	33.960	5.928306+05	1.1739
		1.967842+02	106.720	8.211	12.694	3.0423	1.0227	1.1730
10000.	9.970	20.879	8.976400+04	5.279550+03	15.898	3.6533	1.0682	1.2931
		20.605	123.893	8.5189	13.8741	34.728	6.587006+05	1.1639
		2.722469+02	132.313	9.014	13.982	3.2209	1.0486	1.1642
11000.	10.967	25.054	1.965084+05	9.579231+03	18.237	4.0890	1.1235	1.3426
		24.774	151.315	9.2756	15.0867	35.523	7.245707+05	1.1672
		3.643761+02	160.635	9.763	15.192	3.4159	1.0818	1.1682
12000.	11.964	29.626	.000000+00	.000000+00	.000	.0000	.0000	.0000
		29.334	181.239	9.8951	16.3682	36.340	7.904408+05	1.1824
		4.758109+02	191.616	10.372	16.484	3.6442	1.1195	1.1840
13000.	12.961	34.596	.000000+00	.000000+00	.000	.0000	.0000	.0000
		34.278	213.403	10.2738	17.9509	37.166	8.563108+05	1.2131
		6.087333+02	225.124	10.736	18.096	3.9331	1.1573	1.2152
14000.	13.958	39.964	.000000+00	.000000+00	.000	.0000	.0000	.0000
		39.600	247.563	10.3626	20.1057	37.973	9.221809+05	1.2348
		7.673217+02	261.051	10.818	20.289	4.2522	1.1880	1.2342
15000.	14.955	45.729	.000000+00	.000000+00	.000	.0000	.0000	.0000
		45.320	284.346	10.4653	22.4077	38.748	9.880510+05	1.2029
		9.534398+02	299.630	10.931	22.581	4.4702	1.2124	1.2008

ALTITUDE = 110000. FT.

P1 = 7.011179-03 ATM. , RHO1 = 8.244355-03 AMA. , T1 = 232.44 K
 S1/R = 27.987 , A1 = 1003.03 FT./SEC. , H1/R = 813.525 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
1600C.	15.952	51.891 51.452 1.167600+03	.000000+00 324.329 341.310	.000000+00 10.7632 11.242	.000 24.3062 24.457	.0000 39.503 4.6472	.0000 1.053921+06 1.2399	.0000 1.1726 1.1718
17000.	16.949	58.451 57.992 1.410579+03	.000000+00 367.429 385.868	.000000+00 11.1879 11.671	.000 25.8264 25.961	.0000 40.260 4.8200	.0000 1.119791+06 1.2719	.0000 1.1577 1.1575
18000.	17.946	65.409 64.935 1.686699+03	.000000+00 413.445 433.261	.000000+00 11.6617 12.146	.000 27.1124 27.238	.0000 41.025 4.9927	.0000 1.185661+06 1.3081	.0000 1.1510 1.1511
19000.	18.943	72.764 72.278 1.995661+03	.000000+00 462.261 483.390	.000000+00 12.1447 12.627	.000 28.2541 28.373	.0000 41.805 5.1664	.0000 1.251531+06 1.3476	.0000 1.1483 1.1485
20000.	19.940	80.517 80.018 2.341521+03	.000000+00 513.809 536.348	.000000+00 12.6166 13.097	.000 29.3035 29.419	.0000 42.602 5.3416	.0000 1.317401+06 1.3903	.0000 1.1474 1.1477
21000.	20.937	88.668 88.154 2.724134+03	.000000+00 568.046 591.967	.000000+00 13.0655 13.543	.000 30.2940 30.408	.0000 43.416 5.5208	.0000 1.383271+06 1.4357	.0000 1.1482 1.1486
22000.	21.934	97.216 96.687 3.149065+03	.000000+00 624.934 650.382	.000000+00 13.4827 13.959	.000 31.2525 31.366	.0000 44.247 5.7042	.0000 1.449141+06 1.4837	.0000 1.1500 1.1503
23000.	22.931	106.162 105.614 3.614952+03	.000000+00 684.447 711.437	.000000+00 13.8635 14.336	.000 32.1970 32.311	.0000 45.095 5.8930	.0000 1.515011+06 1.5340	.0000 1.1523 1.1527
24000.	23.928	115.505 114.937 4.127253+03	.000000+00 746.553 775.199	.000000+00 14.2028 14.673	.000 33.1487 33.266	.0000 45.959 6.0899	.0000 1.580882+06 1.5863	.0000 1.1559 1.1563
25000.	24.924	125.246 124.655 4.688027+03	.000000+00 811.218 841.615	.000000+00 14.4961 14.963	.000 34.1261 34.246	.0000 46.836 6.2942	.0000 1.646752+06 1.6404	.0000 1.1597 1.1602
26000.	25.921	135.384 134.766 5.303047+03	.000000+00 878.400 910.721	.000000+00 14.7382 15.202	.000 35.1550 35.281	.0000 47.725 6.5113	.0000 1.712622+06 1.6959	.0000 1.1651 1.1657
27000.	26.918	145.921 145.269 5.978633+03	.000000+00 948.033 982.527	.000000+00 14.9206 15.383	.000 36.2713 36.406	.0000 48.623 6.7428	.0000 1.778492+06 1.7523	.0000 1.1718 1.1725
28000.	27.915	156.854 156.164 6.715363+03	.000000+00 1020.026 1056.900	.000000+00 15.0321 15.491	.000 37.5266 37.676	.0000 49.527 6.9975	.0000 1.844362+06 1.8087	.0000 1.1814 1.1822
29000.	28.912	168.185 167.448 7.524192+03	.000000+00 1094.239 1133.797	.000000+00 15.0563 15.511	.000 39.0018 39.172	.0000 50.431 7.2827	.0000 1.910232+06 1.8638	.0000 1.1940 1.1951

ALTITUDE = 110000. FT.

P1 = 7.011179-03 ATM. , RH01 = 8.244355-03 AMA. , T1 = 232.44 K
 S1/R = 27.987 , A1 = 1003.03 FT./SEC. , H1/R = 813.525 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
30000.	29.909	179.914 179.116 8.412083+03	.000000+00 1170.450 1213.049	.000000+00 14.9690 15.417	.000 40.8290 41.032	.0000 51.328 7.6119	.0000 1.976102+06 1.9153	.0000 1.2117 1.2130
31000.	30.906	192.041 191.163 9.402975+03	.000000+00 1248.419 1294.512	.000000+00 14.7557 15.196	.000 43.1621 43.409	.0000 52.208 7.9835	.0000 2.041972+06 1.9600	.0000 1.2314 1.2325
32000.	31.903	204.565 203.591 1.043858+04	.000000+00 1328.214 1378.317	.000000+00 14.4591 14.897	.000 45.9937 46.279	.0000 53.062 8.3454	.0000 2.107842+06 1.9968	.0000 1.2399 1.2399
33000.	32.900	217.486 216.409 1.152254+04	.000000+00 1410.396 1464.777	.000000+00 14.1852 14.628	.000 48.9879 49.287	.0000 53.886 8.6531	.0000 2.173712+06 2.0293	.0000 1.2322 1.2317
34000.	33.897	230.805 229.632 1.265902+04	.000000+00 1495.621 1554.108	.000000+00 13.9981 14.446	.000 51.8099 52.110	.0000 54.684 8.9243	.0000 2.239582+06 2.0621	.0000 1.2197 1.2194
35000.	34.894	244.522 243.260 1.380908+04	.000000+00 1583.914 1646.391	.000000+00 13.8930 14.345	.000 54.3642 54.661	.0000 55.463 9.1795	.0000 2.305452+06 2.0972	.0000 1.2096 1.2093
36000.	35.891	258.636 257.292 1.500571+04	.000000+00 1675.205 1741.585	.000000+00 13.8466 14.301	.000 56.6759 56.971	.0000 56.229 9.4277	.0000 2.371322+06 2.1349	.0000 1.2025 1.2023
37000.	36.888	273.148 271.726 1.623689+04	.000000+00 1769.395 1839.612	.000000+00 13.8392 14.296	.000 58.7930 59.087	.0000 56.986 9.6732	.0000 2.437192+06 2.1751	.0000 1.1976 1.1978
38000.	37.885	288.058 286.563 1.746969+04	.000000+00 1866.539 1940.455	.000000+00 13.8573 14.315	.000 60.7596 61.055	.0000 57.738 9.9176	.0000 2.503062+06 2.2175	.0000 1.1962 1.1953
39000.	38.882	303.365 301.798 1.872937+04	.000000+00 1966.377 2044.039	.000000+00 13.8903 14.349	.000 62.6089 62.906	.0000 58.485 10.1588	.0000 2.568933+06 2.2619	.0000 1.1931 1.1933

ALTITUDE = 120000. FT.

P1 = 4.537017-03 ATM. , RH01 = 5.148064-03 AMA. , T1 = 240.88 K
 S1/R = 28.548 , A1 = 1021.08 FT./SEC. , H1/R = 843.069 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	5.876	7.906 7.707 4.361532+01	1.706406+03 41.167 45.434	2.386370+02 5.8957 6.363	7.130 6.9738 7.131	2.4131 32.175 2.4084	1.0017 2.396644+05 1.0001	1.2945 1.2936 1.2912
7000.	6.855	10.400 10.169 7.108719+01	5.027493+03 56.530 61.859	5.536907+02 6.3869 6.862	9.031 8.8333 8.995	2.6972 32.951 2.6668	1.0042 2.796084+05 1.0010	1.2735 1.2577 1.2539

ALTITUDE = 120000. FT.

P1 = 4.537017-03 ATM. , RH01 = 5.148064-03 AMA. , T1 = 240.88 K
 S1/R = 28.548 , A1 = 1021.08 FT./SEC. , H1/R = 843.069 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOF
8000.	7.835	13.277 13.026 1.081101+02	1.364104+04 74.696 81.064	1.219320+03 6.9938 7.487	11.065 10.5934 10.731	2.9738 33.699 2.8591	1.0098 3.195525+05 1.0078	1.2564 1.2031 1.2000
9000.	8.814	16.538 16.281 1.557580+02	3.452785+04 95.836 103.071	2.561692+03 7.7773 8.278	13.171 12.0165 12.126	3.2559 34.452 3.0246	1.0221 3.594965+05 1.0256	1.2502 1.1686 1.1678
10000.	9.794	20.183 19.924 2.153049+02	8.220798+04 119.772 127.807	5.115227+03 8.6203 9.117	15.351 13.2001 13.298	3.5729 35.231 3.1987	1.0457 3.994406+05 1.0530	1.2625 1.1598 1.1601
11000.	10.773	24.211 23.949 2.879518+02	1.838430+05 146.285 155.176	9.604850+03 9.4038 9.892	17.616 14.3129 14.409	3.9521 36.041 3.3907	1.0852 4.393846+05 1.0873	1.2970 1.1640 1.1650
12000.	11.752	28.623 28.349 3.757564+02	3.847646+05 175.197 185.048	1.678479+04 10.0364 10.512	19.990 15.5098 15.616	4.4148 36.876 3.6188	1.1453 4.793287+05 1.1259	1.3515 1.1808 1.1825
13000.	12.732	33.419 33.119 4.808109+02	.000000+00 206.233 217.418	.000000+00 10.4030 10.865	.000 17.0353 17.173	.0000 37.718 3.9147	.0000 5.192727+05 1.1639	.0000 1.2149 1.2172
14000.	13.711	38.598 38.254 6.062128+02	.000000+00 239.147 252.052	.000000+00 10.4549 10.910	.000 19.1653 19.339	.0000 38.540 4.2337	.0000 5.592168+05 1.1932	.0000 1.2345 1.2332
15000.	14.690	44.161 43.775 7.530808+02	.000000+00 274.701 289.329	.000000+00 10.5697 11.039	.000 21.3522 21.511	.0000 39.325 4.4380	.0000 5.991609+05 1.2170	.0000 1.1965 1.1944
16000.	15.670	50.108 49.694 9.214817+02	.000000+00 313.404 329.561	.000000+00 10.9015 11.382	.000 23.0955 23.231	.0000 40.093 4.6089	.0000 6.391049+05 1.2449	.0000 1.1670 1.1660
17000.	16.649	56.438 56.008 1.113119+03	.000000+00 355.102 372.613	.000000+00 11.3563 11.841	.000 24.4813 24.602	.0000 40.864 4.7774	.0000 6.790490+05 1.2776	.0000 1.1530 1.1528
18000.	17.628	63.152 62.710 1.330508+03	.000000+00 399.603 418.347	.000000+00 11.8557 12.339	.000 25.6535 25.766	.0000 41.646 4.9465	.0000 7.189930+05 1.3143	.0000 1.1470 1.1471
19000.	18.608	70.250 69.796 1.573574+03	.000000+00 446.796 466.819	.000000+00 12.3610 12.844	.000 26.6959 26.803	.0000 42.445 5.1160	.0000 7.589371+05 1.3544	.0000 1.1444 1.1446
20000.	19.587	77.731 77.266 1.846676+03	.000000+00 496.622 517.959	.000000+00 12.8529 13.334	.000 27.6549 27.759	.0000 43.261 5.2879	.0000 7.988811+05 1.3977	.0000 1.1439 1.1442
21000.	20.566	85.596 85.119 2.148832+03	.000000+00 549.041 571.721	.000000+00 13.3196 13.799	.000 28.5628 28.665	.0000 44.097 5.4632	.0000 8.388252+05 1.4437	.0000 1.1447 1.1450

ALTITUDE = 120000. FT.

P1 = 4.537017-03 ATM. , RHO1 = 5.148064-03 AMA. , T1 = 240.88 K
 S1/R = 28.548 , A1 = 1021.08 FT./SEC. , H1/R = 843.069 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
22000.	21.546	93.844 93.353 2.482774+03	.000000+00 604.021 628.050	.000000+00 13.7537 14.230	.000 29.4407 29.543	.0000 44.951 5.6435	.0000 8.787693+05 1.4922	.0000 1.1465 1.1469
23000.	22.525	102.477 101.970 2.851001+03	.000000+00 661.530 687.037	.000000+00 14.1486 14.622	.000 30.3104 30.413	.0000 45.822 5.8287	.0000 9.187133+05 1.5431	.0000 1.1489 1.1493
24000.	23.505	111.492 110.967 3.253753+03	.000000+00 721.546 748.588	.000000+00 14.5006 14.971	.000 31.1869 31.292	.0000 46.711 6.0221	.0000 9.586574+05 1.5960	.0000 1.1523 1.1528
25000.	24.484	120.892 120.345 3.693954+03	.000000+00 784.030 812.760	.000000+00 14.8039 15.271	.000 32.0928 32.201	.0000 47.613 6.2246	.0000 9.986014+05 1.6508	.0000 1.1567 1.1571
26000.	25.463	130.675 130.103 4.175360+03	.000000+00 848.940 879.466	.000000+00 15.0526 15.517	.000 33.0505 33.164	.0000 48.529 6.4384	.0000 1.038545+06 1.7069	.0000 1.1620 1.1626
27000.	26.443	140.842 140.240 4.701808+03	.000000+00 916.212 948.807	.000000+00 15.2377 15.700	.000 34.0972 34.220	.0000 49.453 6.6697	.0000 1.078490+06 1.7639	.0000 1.1693 1.1700
28000.	27.422	151.393 150.754 5.280730+03	.000000+00 985.748 1020.637	.000000+00 15.3456 15.805	.000 35.2875 35.423	.0000 50.384 6.9239	.0000 1.118434+06 1.8208	.0000 1.1791 1.1800
29000.	28.401	162.327 161.642 5.915916+03	.000000+00 1057.386 1094.816	.000000+00 15.3544 15.809	.000 36.7138 36.871	.0000 51.313 7.2138	.0000 1.158378+06 1.8760	.0000 1.1933 1.1944
30000.	29.381	173.645 172.900 6.613143+03	.000000+00 1130.825 1171.253	.000000+00 15.2355 15.683	.000 38.5189 38.711	.0000 52.234 7.5541	.0000 1.198322+06 1.9270	.0000 1.2134 1.2145
31000.	30.360	185.346 184.524 7.390123+03	.000000+00 1206.003 1249.807	.000000+00 14.9777 15.417	.000 40.8626 41.098	.0000 53.135 7.9348	.0000 1.238266+06 1.9702	.0000 1.2335 1.2344
32000.	31.339	197.431 196.514 8.210931+03	.000000+00 1282.875 1330.637	.000000+00 14.6475 15.087	.000 43.6647 43.931	.0000 54.006 8.2861	.0000 1.278210+06 2.0053	.0000 1.2379 1.2374
33000.	32.319	209.900 208.889 9.053128+03	.000000+00 1362.399 1414.137	.000000+00 14.3750 14.819	.000 46.5097 46.783	.0000 54.845 8.5779	.0000 1.318154+06 2.0374	.0000 1.2262 1.2256
34000.	33.298	222.752 221.654 9.935625+03	.000000+00 1444.891 1500.484	.000000+00 14.2049 14.654	.000 49.1141 49.384	.0000 55.659 8.8378	.0000 1.358098+06 2.0709	.0000 1.2129 1.2125
35000.	34.277	235.988 234.810 1.082876+04	.000000+00 1530.370 1589.654	.000000+00 14.1189 14.572	.000 51.4405 51.707	.0000 56.454 9.0875	.0000 1.398042+06 2.1072	.0000 1.2038 1.2033

ALTITUDE = 120000. FT.

P1 = 4.537017-03 ATM. , RH01 = 5.148064-03 AMA. , T1 = 240.88 K
 S1/R = 28.548 , A1 = 1021.08 FT./SEC. , H1/R = 843.069 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
36000.	35.257	249.608 248.354 1.175779+04	.000000+00 1618.670 1681.638	.000000+00 14.0894 14.546	.000 53.5352 53.799	.0000 57.238 9.3284	.0000 1.437986+06 2.1463	.0000 1.1964 1.1964
37000.	36.236	263.612 262.289 1.271824+04	.000000+00 1709.895 1776.385	.000000+00 14.0972 14.556	.000 55.4514 55.714	.0000 58.014 9.5685	.0000 1.477930+06 2.1879	.0000 1.1923 1.1925
38000.	37.215	277.999 276.609 1.370980+04	.000000+00 1803.769 1873.788	.000000+00 14.1273 14.587	.000 57.2295 57.493	.0000 58.786 9.8033	.0000 1.517874+06 2.2317	.0000 1.1897 1.1891
39000.	38.195	292.769 291.316 1.469515+04	.000000+00 1900.422 1973.874	.000000+00 14.1710 14.631	.000 58.9035 59.168	.0000 59.555 10.0437	.0000 1.557818+06 2.2774	.0000 1.1886 1.1885
40000.	39.174	307.924 306.406 1.573125+04	.000000+00 1999.622 2076.634	.000000+00 14.2223 14.682	.000 60.4945 60.762	.0000 60.322 10.2829	.0000 1.597762+06 2.3250	.0000 1.1880 1.1883

ALTITUDE = 130000. FT.

P1 = 2.981479-03 ATM. , RH01 = 3.268594-03 AMA. , T1 = 249.31 K
 S1/R = 29.087 , A1 = 1038.80 FT./SEC. , H1/R = 872.585 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	5.776	7.672 7.479 3.495457+01	1.541165+03 39.780 43.920	2.223344+02 5.8742 6.342	6.916 6.7633 6.916	2.4158 32.646 2.4122	1.0010 1.479655+05 1.0001	1.2930 1.2929 1.2904
7000.	6.739	10.082 9.858 5.687626+01	4.528496+03 54.637 59.794	5.154890+02 6.3776 6.854	8.752 8.5483 8.703	2.6957 33.419 2.6643	1.0025 1.726264+05 1.0012	1.2703 1.2539 1.2496
8000.	7.701	12.862 12.621 8.637988+01	1.228766+04 72.248 78.377	1.138684+03 7.0205 7.516	10.709 10.1939 10.321	2.9630 34.168 2.8465	1.0064 1.972874+05 1.0092	1.2494 1.1963 1.1933
9000.	8.664	16.012 15.768 1.243098+02	3.121678+04 92.746 99.670	2.413258+03 7.8460 8.347	12.722 11.4946 11.595	3.2284 34.927 3.0071	1.0155 2.219483+05 1.0286	1.2374 1.1638 1.1630
10000.	9.626	19.534 19.290 1.716853+02	7.498804+04 115.930 123.601	4.898367+03 8.7224 9.219	14.800 12.5761 12.665	3.5184 35.718 3.1773	1.0331 2.466092+05 1.0573	1.2418 1.1560 1.1564
11000.	10.589	23.426 23.179 2.294888+02	1.702982+05 141.593 150.053	9.432960+03 9.5308 10.019	16.969 13.6024 13.690	3.8569 36.544 3.3665	1.0626 2.712701+05 1.0927	1.2654 1.1611 1.1621
12000.	11.552	27.689 27.431 2.992566+02	3.644333+05 169.558 178.975	1.705266+04 10.1751 10.652	19.269 14.7259 14.825	4.2660 37.396 3.5949	1.1077 2.959310+05 1.1320	1.3078 1.1794 1.1812

ALTITUDE = 130000. FT.

P1 = 2.981479-03 ATM. , RH01 = 3.268594-03 AMA. , T1 = 249.31 K
 S1/R = 29.087 , A1 = 1038.80 FT./SEC. , H1/R = 872.585 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
13000.	12.514	32.322 32.039 3.828767+02	7.320139+05 199.544 210.198	2.879644+04 10.5247 10.984	21.673 16.2077 16.339	4.7579 38.255 3.8990	1.1715 3.205920+05 1.1699	1.3676 1.2175 1.2199
14000.	13.477	37.326 36.999 4.829789+02	.000000+00 231.286 243.667	.000000+00 10.5393 10.995	.000 18.3165 18.481	.0000 39.088 4.2153	.0000 3.452529+05 1.1978	.0000 1.2332 1.2313
15000.	14.440	42.701 42.335 5.999435+02	.000000+00 265.712 279.731	.000000+00 10.6734 11.145	.000 20.3832 20.528	.0000 39.883 4.4062	.0000 3.699138+05 1.2212	.0000 1.1889 1.1879
16000.	15.402	48.447 48.057 7.332287+02	.000000+00 303.217 318.603	.000000+00 11.0391 11.520	.000 21.9841 22.107	.0000 40.664 4.5726	.0000 3.945747+05 1.2495	.0000 1.1618 1.1610
17000.	16.365	54.563 54.159 8.857542+02	.000000+00 343.602 360.252	.000000+00 11.5226 12.007	.000 23.2518 23.361	.0000 41.449 4.7370	.0000 4.192356+05 1.2828	.0000 1.1487 1.1485
18000.	17.328	61.050 60.636 1.057713+03	.000000+00 386.682 404.547	.000000+00 12.0467 12.532	.000 24.3235 24.425	.0000 42.249 4.9020	.0000 4.438966+05 1.3201	.0000 1.1430 1.1432
19000.	18.290	67.907 67.484 1.251496+03	.000000+00 432.358 451.417	.000000+00 12.5737 13.058	.000 25.2775 25.374	.0000 43.065 5.0683	.0000 4.685575+05 1.3608	.0000 1.1410 1.1412
20000.	19.253	75.135 74.702 1.466926+03	.000000+00 480.574 500.808	.000000+00 13.0847 13.566	.000 26.1583 26.252	.0000 43.901 5.2369	.0000 4.932184+05 1.4045	.0000 1.1406 1.1409
21000.	20.216	82.734 82.290 1.708130+03	.000000+00 531.292 552.825	.000000+00 13.5686 14.049	.000 26.9933 27.085	.0000 44.758 5.4087	.0000 5.178793+05 1.4510	.0000 1.1414 1.1417
22000.	21.178	90.704 90.247 1.973198+03	.000000+00 584.486 607.306	.000000+00 14.0183 14.496	.000 27.8026 27.894	.0000 45.634 5.5854	.0000 5.425402+05 1.5001	.0000 1.1432 1.1436
23000.	22.141	99.044 98.573 2.265664+03	.000000+00 640.127 664.258	.000000+00 14.4278 14.901	.000 28.6039 28.696	.0000 46.528 5.7685	.0000 5.672011+05 1.5516	.0000 1.1460 1.1464
24000.	23.104	107.755 107.267 2.586707+03	.000000+00 698.188 723.805	.000000+00 14.7916 15.263	.000 29.4165 29.511	.0000 47.440 5.9581	.0000 5.918621+05 1.6051	.0000 1.1492 1.1496
25000.	24.066	116.837 116.329 2.936830+03	.000000+00 758.636 785.817	.000000+00 15.1049 15.573	.000 30.2568 30.355	.0000 48.368 6.1580	.0000 6.165230+05 1.6604	.0000 1.1536 1.1541
26000.	25.029	126.289 125.758 3.318184+03	.000000+00 821.425 850.342	.000000+00 15.3598 15.825	.000 31.1532 31.256	.0000 49.309 6.3703	.0000 6.411839+05 1.7171	.0000 1.1593 1.1598

ALTITUDE = 130000. FT.

P1 = 2.981479-03 ATM. , RHO1 = 3.268594-03 AMA. , T1 = 249.31 K
 S1/R = 29.087 , A1 = 1038.80 FT./SEC. , H1/R = 872.585 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
27000.	25.992	136.112 135.553 3.735384+03	.000000+00 886.491 917.355	.000000+00 15.5471 16.010	.000 32.1381 32.249	.0000 50.260 6.5998	.0000 6.658448+05 1.7746	.0000 1.1667 1.1674
28000.	26.954	146.305 145.712 4.191486+03	.000000+00 953.727 986.777	.000000+00 15.6497 16.109	.000 33.2732 33.398	.0000 51.215 6.8555	.0000 6.905057+05 1.8319	.0000 1.1774 1.1782
29000.	27.917	156.870 156.233 4.694917+03	.000000+00 1022.961 1058.467	.000000+00 15.6420 16.096	.000 34.6562 34.803	.0000 52.170 7.1518	.0000 7.151667+05 1.8872	.0000 1.1934 1.1945
30000.	28.879	167.805 167.108 5.252005+03	.000000+00 1093.862 1132.265	.000000+00 15.4883 15.934	.000 36.4497 36.631	.0000 53.114 7.5028	.0000 7.398276+05 1.9375	.0000 1.2151 1.2166
31000.	29.842	179.110 178.338 5.863181+03	.000000+00 1166.365 1208.087	.000000+00 15.1820 15.620	.000 38.8105 39.034	.0000 54.035 7.8901	.0000 7.644885+05 1.9790	.0000 1.2355 1.2361
32000.	30.805	190.787 189.923 6.516642+03	.000000+00 1240.633 1286.188	.000000+00 14.8265 15.266	.000 41.5614 41.809	.0000 54.921 8.2277	.0000 7.891494+05 2.0127	.0000 1.2346 1.2340
33000.	31.767	202.834 201.882 7.179510+03	.000000+00 1317.636 1366.979	.000000+00 14.5618 15.008	.000 44.2416 44.490	.0000 55.774 8.5031	.0000 8.138103+05 2.0449	.0000 1.2199 1.2191
34000.	32.730	215.251 214.221 7.862873+03	.000000+00 1397.588 1450.487	.000000+00 14.4112 14.862	.000 46.6367 46.880	.0000 56.603 8.7532	.0000 8.384713+05 2.0793	.0000 1.2061 1.2057
35000.	33.693	228.040 226.937 8.563763+03	.000000+00 1480.435 1536.786	.000000+00 14.3449 14.800	.000 48.7566 48.994	.0000 57.415 8.9912	.0000 8.631322+05 2.1168	.0000 1.1962 1.1956
36000.	34.655	241.199 240.030 9.276443+03	.000000+00 1566.061 1625.789	.000000+00 14.3325 14.790	.000 50.6598 50.896	.0000 58.217 9.2323	.0000 8.877931+05 2.1571	.0000 1.1909 1.1908
37000.	35.618	254.729 253.497 1.001622+04	.000000+00 1654.372 1717.440	.000000+00 14.3543 14.814	.000 52.3989 52.634	.0000 59.012 9.4672	.0000 9.124540+05 2.2000	.0000 1.1872 1.1873
38000.	36.581	268.629 267.337 1.077929+04	.000000+00 1745.299 1811.678	.000000+00 14.3967 14.857	.000 54.0134 54.249	.0000 59.803 9.7010	.0000 9.371149+05 2.2450	.0000 1.1849 1.1852
39000.	37.543	282.900 281.548 1.155920+04	.000000+00 1838.791 1908.474	.000000+00 14.4513 14.912	.000 55.5313 55.770	.0000 60.593 9.9264	.0000 9.617759+05 2.2921	.0000 1.1830 1.1824
40000.	38.506	297.542 296.133 1.231578+04	.000000+00 1934.932 2007.863	.000000+00 14.5117 14.972	.000 56.9786 57.218	.0000 61.382 10.1672	.0000 9.864368+05 2.3409	.0000 1.1835 1.1838

ALTITUDE = 130000. FT.

P1 = 2.981479-03 ATM. , RH01 = 3.268594-03 AMA. , T1 = 249.31 K
 S1/R = 29.087 , A1 = 1038.80 FT./SEC. , H1/R = 872.585 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
41000.	39.469	312.554 311.087 1.311518+04	.000000+00 2033.474 2109.758	.000000+00 14.5736 15.034	.000 58.3679 58.610	.0000 62.172 10.4029	.0000 1.011098+06 2.3915	.0000 1.1839 1.1843

ALTITUDE = 140000. FT.

P1 = 1.987580-03 ATM. , RH01 = 2.107755-03 AMA. , T1 = 257.73 K
 S1/R = 29.609 , A1 = 1056.21 FT./SEC. , H1/R = 902.072 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	5.681	7.454 7.266 2.823080+01	1.396929+03 38.484 42.505	2.076022+02 5.8531 6.322	6.717 6.5667 6.715	2.4192 33.102 2.4160	1.0006 9.289231+04 1.0001	1.2921 1.2921 1.2896
7000.	6.627	9.785 9.568 4.585937+01	4.092368+03 52.874 57.868	4.806882+02 6.3702 6.848	8.490 8.2800 8.427	2.6957 33.872 2.6610	1.0016 1.083744+05 1.0015	1.2680 1.2495 1.2449
8000.	7.574	12.474 12.243 6.955160+01	1.109666+04 69.968 75.869	1.063797+03 7.0509 7.548	10.370 9.8156 9.932	2.9554 34.622 2.8335	1.0047 1.238564+05 1.0108	1.2438 1.1895 1.1866
9000.	8.521	15.522 15.290 9.998368+01	2.825843+04 89.863 96.498	2.269184+03 7.9169 8.419	12.288 11.0060 11.098	3.2083 35.389 2.9899	1.0122 1.393385+05 1.0316	1.2279 1.1592 1.1585
10000.	9.468	18.928 18.698 1.379619+02	6.832282+04 112.340 119.664	4.661992+03 8.8249 9.322	14.257 11.9982 12.079	3.4798 36.191 3.1564	1.0267 1.548205+05 1.0614	1.2274 1.1525 1.1529
11000.	10.415	22.693 22.460 1.843169+02	1.569673+05 137.204 145.260	9.148161+03 9.6561 10.143	16.319 12.9488 13.030	3.7900 37.032 3.3433	1.0502 1.703026+05 1.0978	1.2436 1.1585 1.1595
12000.	11.361	26.816 26.573 2.401957+02	3.416044+05 164.282 173.280	1.697109+04 10.3113 10.788	18.526 14.0084 14.101	4.1597 37.901 3.5721	1.0852 1.857846+05 1.1377	1.2770 1.1783 1.1801
13000.	12.308	31.298 31.031 3.073421+02	7.015748+05 193.269 203.474	2.960032+04 10.6381 11.095	20.869 15.4578 15.584	4.5950 38.776 3.8860	1.1344 2.012667+05 1.1753	1.3233 1.2208 1.2233
14000.	13.255	36.139 35.827 3.878095+02	1.353958+06 223.930 235.812	4.815345+04 10.6171 11.073	23.391 17.5459 17.701	5.1137 39.620 4.1963	1.2006 2.167487+05 1.2017	1.3815 1.2306 1.2283
15000.	14.202	41.338 40.990 4.816830+02	.000000+00 257.312 270.744	.000000+00 10.7763 11.250	.000 19.4898 19.622	.0000 40.425 4.3717	.0000 2.322308+05 1.2250	.0000 1.1801 1.1797
16000.	15.149	46.896 46.528 5.889178+02	.000000+00 293.694 308.393	.000000+00 11.1758 11.658	.000 20.9612 21.072	.0000 41.218 4.5374	.0000 2.477128+05 1.2539	.0000 1.1567 1.1561

ALTITUDE = 140000. FT.

P1 = 1.987580-03 ATM. , RH01 = 2.107755-03 AMA. , T1 = 257.73 K
 S1/R = 29.609 , A1 = 1056.21 FT./SEC. , H1/R = 902.072 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
17000.	16.095	52.812 52.432 7.112143+02	.000000+00 332.845 348.723	.000000+00 11.6867 12.172	.000 22.1233 22.222	.0000 42.017 4.6984	.0000 2.631949+05 1.2876	.0000 1.1449 1.1447
18000.	17.042	59.087 58.698 8.482667+02	.000000+00 374.593 391.613	.000000+00 12.2343 12.721	.000 23.1070 23.199	.0000 42.833 4.8596	.0000 2.786769+05 1.3254	.0000 1.1394 1.1395
19000.	17.989	65.720 65.324 1.003163+03	.000000+00 418.846 436.931	.000000+00 12.7821 13.266	.000 23.9844 24.072	.0000 43.667 5.0229	.0000 2.941590+05 1.3666	.0000 1.1377 1.1379
20000.	18.936	72.712 72.307 1.175041+03	.000000+00 465.551 484.826	.000000+00 13.3115 13.795	.000 24.7958 24.881	.0000 44.523 5.1882	.0000 3.096410+05 1.4109	.0000 1.1375 1.1377
21000.	19.882	80.063 79.648 1.366911+03	.000000+00 514.679 535.093	.000000+00 13.8128 14.293	.000 25.5654 25.649	.0000 45.399 5.3574	.0000 3.251231+05 1.4579	.0000 1.1385 1.1389
22000.	20.829	87.772 87.346 1.580003+03	.000000+00 566.199 587.851	.000000+00 14.2774 14.755	.000 26.3141 26.397	.0000 46.297 5.5308	.0000 3.406051+05 1.5075	.0000 1.1402 1.1406
23000.	21.776	95.839 95.400 1.813567+03	.000000+00 620.090 642.989	.000000+00 14.7005 15.174	.000 27.0567 27.140	.0000 47.214 5.7104	.0000 3.560872+05 1.5594	.0000 1.1428 1.1432
24000.	22.723	104.265 103.811 2.071024+03	.000000+00 676.322 700.602	.000000+00 15.0764 15.547	.000 27.8105 27.896	.0000 48.149 5.8982	.0000 3.715692+05 1.6134	.0000 1.1464 1.1468
25000.	23.670	113.050 112.577 2.352781+03	.000000+00 734.862 760.668	.000000+00 15.3988 15.867	.000 28.5949 28.683	.0000 49.101 6.0948	.0000 3.870513+05 1.6693	.0000 1.1507 1.1511
26000.	24.616	122.193 121.699 2.659029+03	.000000+00 795.667 823.080	.000000+00 15.6604 16.126	.000 29.4336 29.527	.0000 50.067 6.3056	.0000 4.025333+05 1.7265	.0000 1.1566 1.1572
27000.	25.563	131.695 131.175 2.992825+03	.000000+00 858.666 887.967	.000000+00 15.8487 16.312	.000 30.3663 30.468	.0000 51.043 6.5339	.0000 4.180154+05 1.7845	.0000 1.1644 1.1650
28000.	26.510	141.556 141.003 3.357767+03	.000000+00 923.751 955.124	.000000+00 15.9457 16.405	.000 31.4508 31.566	.0000 52.024 6.7911	.0000 4.334974+05 1.8422	.0000 1.1758 1.1767
29000.	27.457	151.775 151.180 3.760258+03	.000000+00 990.729 1024.473	.000000+00 15.9190 16.372	.000 32.7994 32.936	.0000 53.003 7.0923	.0000 4.489795+05 1.8976	.0000 1.1930 1.1941
30000.	28.404	162.352 161.699 4.208781+03	.000000+00 1059.244 1095.803	.000000+00 15.7256 16.170	.000 34.5916 34.765	.0000 53.969 7.4571	.0000 4.644615+05 1.9470	.0000 1.2176 1.2190

ALTITUDE = 140000. FT.

P1 = 1.987580-03 ATM. , RHO1 = 2.107755-03 AMA. , T1 = 257.73 K
 S1/R = 29.609 , A1 = 1056.21 FT./SEC. , H1/R = 902.072 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEO
31000.	29.350	173.288 172.558 4.696136+03	.000000+00 1129.196 1169.103	.000000+00 15.3698 15.807	.000 36.9677 37.181	.0000 54.907 7.8481	.0000 4.799436+05 1.9868	.0000 1.2361 1.2372
32000.	30.297	184.583 183.767 5.214818+03	.000000+00 1201.124 1244.670	.000000+00 14.9981 15.439	.000 39.6458 39.875	.0000 55.808 8.1681	.0000 4.954256+05 2.0194	.0000 1.2303 1.2294
33000.	31.244	196.236 195.339 5.742585+03	.000000+00 1275.799 1322.879	.000000+00 14.7473 15.195	.000 42.1534 42.379	.0000 56.675 8.4300	.0000 5.109077+05 2.0519	.0000 1.2132 1.2126
34000.	32.191	208.248 207.279 6.282083+03	.000000+00 1353.375 1403.816	.000000+00 14.6175 15.070	.000 44.3530 44.573	.0000 57.518 8.6722	.0000 5.263897+05 2.0873	.0000 1.1999 1.1994
35000.	33.137	220.618 219.585 6.841134+03	.000000+00 1433.751 1487.403	.000000+00 14.5704 15.027	.000 46.2876 46.503	.0000 58.347 8.9078	.0000 5.418718+05 2.1260	.0000 1.1910 1.1908
36000.	34.084	233.347 232.254 7.399230+03	.000000+00 1516.802 1573.615	.000000+00 14.5745 15.034	.000 48.0213 48.234	.0000 59.166 9.1410	.0000 5.573538+05 2.1675	.0000 1.1860 1.1859
37000.	35.031	246.435 245.286 7.976079+03	.000000+00 1602.520 1662.382	.000000+00 14.6108 15.071	.000 49.6054 49.817	.0000 59.980 9.3699	.0000 5.728359+05 2.2115	.0000 1.1823 1.1824
38000.	35.978	259.881 258.676 8.569596+03	.000000+00 1690.599 1753.611	.000000+00 14.6644 15.126	.000 51.0761 51.288	.0000 60.792 9.5994	.0000 5.883179+05 2.2577	.0000 1.1806 1.1808
39000.	36.925	273.685 272.427 9.180211+03	.000000+00 1781.230 1847.367	.000000+00 14.7289 15.191	.000 52.4607 52.674	.0000 61.602 9.8279	.0000 6.038000+05 2.3059	.0000 1.1796 1.1799
40000.	37.871	287.848 286.538 9.802231+03	.000000+00 1874.404 1943.577	.000000+00 14.7990 15.261	.000 53.7789 53.993	.0000 62.413 10.0496	.0000 6.192820+05 2.3559	.0000 1.1782 1.1780
41000.	38.818	302.370 301.007 1.039233+04	.000000+00 1969.916 2042.239	.000000+00 14.8691 15.330	.000 55.0466 55.265	.0000 63.226 10.2873	.0000 6.347641+05 2.4076	.0000 1.1801 1.1801
42000.	39.765	317.250 315.833 1.100236+04	.000000+00 2067.808 2143.298	.000000+00 14.9370 15.397	.000 56.2754 56.496	.0000 64.040 10.5205	.0000 6.502461+05 2.4609	.0000 1.1808 1.1812

ALTITUDE = 150000. FT.

P1 = 1.342896-03 ATM. , RHO1 = 1.379055-03 AMA. , T1 = 266.15 K
 S1/R = 30.113 , A1 = 1073.31 FT./SEC. , H1/R = 931.531 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	5.590	7.250 7.066 2.296566+01	1.270351+03 37.272 41.182	1.942504+02 5.8323 6.301	6.529 6.3825 6.527	2.4229 33.542 2.4196	1.0004 5.923556+04 1.0001	1.2913 1.2914 1.2887
7000.	6.522	9.507 9.297 3.724404+01	3.709794+03 51.225 56.067	4.490365+02 6.3647 6.845	8.242 8.0264 8.166	2.6963 34.310 2.6567	1.0011 6.910816+04 1.0019	1.2659 1.2446 1.2396
8000.	7.454	12.111 11.890 5.640765+01	1.004935+04 67.840 73.526	9.951285+02 7.0848 7.584	10.048 9.4572 9.564	2.9491 35.062 2.8204	1.0039 7.898075+04 1.0124	1.2389 1.1831 1.1804
9000.	8.385	15.062 14.842 8.100238+01	2.563713+04 87.166 93.529	2.134154+03 7.9896 8.492	11.868 10.5486 10.633	3.1920 35.836 2.9730	1.0109 8.885334+04 1.0346	1.2202 1.1550 1.1545
10000.	9.317	18.361 18.143 1.116665+02	6.231177+04 108.977 115.974	4.427285+03 8.9270 9.424	13.727 11.4620 11.536	3.4504 36.651 3.1360	1.0241 9.872594+04 1.0655	1.2168 1.1491 1.1496
11000.	10.249	22.007 21.787 1.491289+02	1.444733+05 133.089 140.798	8.814039+03 9.7800 10.268	15.678 12.3465 12.421	3.7414 37.507 3.3211	1.0443 1.085985+05 1.1027	1.2284 1.1561 1.1571
12000.	11.180	26.000 25.770 1.941900+02	3.185727+05 159.333 167.908	1.667725+04 10.4435 10.918	17.782 13.3506 13.437	4.0816 38.392 3.5508	1.0729 1.184711+05 1.1431	1.2546 1.1775 1.1794
13000.	12.112	30.340 30.086 2.485444+02	6.657042+05 187.378 197.175	2.983240+04 10.7432 11.199	20.046 14.7771 14.900	4.4753 39.282 3.8756	1.1118 1.283437+05 1.1802	1.2912 1.2247 1.2272
14000.	13.044	35.028 34.730 3.136720+02	1.312826+06 217.031 228.431	5.002780+04 10.6893 11.145	22.515 16.8419 16.987	4.9398 40.137 4.1763	1.1641 1.382163+05 1.2051	1.3377 1.2270 1.2242
15000.	13.975	40.062 39.732 3.894140+02	2.437929+06 249.436 262.265	7.874262+04 10.8748 11.351	25.112 18.6678 18.784	5.4736 40.951 4.3385	1.2315 1.480889+05 1.2285	1.3920 1.1731 1.1719
16000.	14.907	45.444 45.097 4.763558+02	.000000+00 284.771 298.849	.000000+00 11.3113 11.795	.000 20.0167 20.118	.0000 41.755 4.5035	.0000 1.579615+05 1.2579	.0000 1.1522 1.1516
17000.	15.839	51.173 50.816 5.750124+02	.000000+00 322.762 337.947	.000000+00 11.8488 12.336	.000 21.0852 21.175	.0000 42.569 4.6614	.0000 1.678341+05 1.2922	.0000 1.1411 1.1410
18000.	16.770	57.250 56.885 6.862379+02	.000000+00 363.256 379.482	.000000+00 12.4183 12.905	.000 21.9916 22.075	.0000 43.400 4.8195	.0000 1.777067+05 1.3305	.0000 1.1362 1.1363
19000.	17.702	63.673 63.302 8.108319+02	.000000+00 406.171 423.452	.000000+00 12.9861 13.472	.000 22.8009 22.880	.0000 44.252 4.9794	.0000 1.875793+05 1.3721	.0000 1.1345 1.1347

ALTITUDE = 150000. FT.

P1 = 1.342896-03 ATM. , RHO1 = 1.379055-03 AMA. , T1 = 266.15 K
 S1/R = 30.113 , A1 = 1073.31 FT./SEC. , H1/R = 931.531 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
20000.	18.634	70.444 70.065 9.501294+02	.000000+00 451.461 469.795	.000000+00 13.5341 14.017	.000 23.5499 23.627	.0000 45.126 5.1420	.0000 1.974519+05 1.4168	.0000 1.1346 1.1348
21000.	19.566	77.562 77.174 1.103717+03	.000000+00 499.093 518.505	.000000+00 14.0511 14.531	.000 24.2637 24.339	.0000 46.023 5.3080	.0000 2.073245+05 1.4643	.0000 1.1356 1.1358
22000.	20.497	85.027 84.629 1.274609+03	.000000+00 549.045 569.599	.000000+00 14.5309 15.008	.000 24.9576 25.033	.0000 46.941 5.4792	.0000 2.171971+05 1.5143	.0000 1.1376 1.1379
23000.	21.429	92.840 92.430 1.462728+03	.000000+00 601.291 623.024	.000000+00 14.9671 15.440	.000 25.6480 25.724	.0000 47.880 5.6560	.0000 2.270697+05 1.5667	.0000 1.1401 1.1405
24000.	22.361	101.000 100.575 1.669341+03	.000000+00 655.807 678.877	.000000+00 15.3547 15.826	.000 26.3502 26.428	.0000 48.839 5.8405	.0000 2.369422+05 1.6212	.0000 1.1435 1.1439
25000.	23.292	109.507 109.066 1.897008+03	.000000+00 712.559 737.066	.000000+00 15.6864 16.155	.000 27.0834 27.164	.0000 49.814 6.0357	.0000 2.468148+05 1.6776	.0000 1.1482 1.1486
26000.	24.224	118.361 117.900 2.146379+03	.000000+00 771.501 797.591	.000000+00 15.9538 16.420	.000 27.8722 27.958	.0000 50.804 6.2435	.0000 2.566874+05 1.7353	.0000 1.1538 1.1544
27000.	25.156	127.562 127.076 2.416283+03	.000000+00 832.564 860.420	.000000+00 16.1436 16.607	.000 28.7552 28.849	.0000 51.805 6.4723	.0000 2.665600+05 1.7938	.0000 1.1625 1.1631
28000.	26.087	137.111 136.594 2.712386+03	.000000+00 895.629 925.464	.000000+00 16.2333 16.693	.000 29.7975 29.904	.0000 52.810 6.7305	.0000 2.764326+05 1.8518	.0000 1.1745 1.1754
29000.	27.019	147.006 146.449 3.035905+03	.000000+00 960.485 992.608	.000000+00 16.1851 16.637	.000 31.1181 31.247	.0000 53.812 7.0397	.0000 2.863052+05 1.9071	.0000 1.1936 1.1949
30000.	27.951	157.249 156.634 3.398066+03	.000000+00 1026.753 1061.628	.000000+00 15.9480 16.390	.000 32.9166 33.083	.0000 54.799 7.4176	.0000 2.961778+05 1.9555	.0000 1.2207 1.2219
31000.	28.882	167.840 167.149 3.793366+03	.000000+00 1094.384 1132.570	.000000+00 15.5445 15.981	.000 35.3040 35.507	.0000 55.753 7.8069	.0000 3.060504+05 1.9935	.0000 1.2371 1.2372
32000.	29.814	178.777 178.004 4.206840+03	.000000+00 1164.100 1205.790	.000000+00 15.1647 15.607	.000 37.8874 38.099	.0000 56.668 8.1085	.0000 3.159230+05 2.0255	.0000 1.2251 1.2242
33000.	30.746	190.062 189.215 4.629018+03	.000000+00 1236.612 1281.624	.000000+00 14.9320 15.381	.000 40.2228 40.428	.0000 57.548 8.3583	.0000 3.257956+05 2.0586	.0000 1.2068 1.2061

ALTITUDE = 150000. FT.

P1 = 1.342896-03 ATM. , RH01 = 1.379055-03 AMA. , T1 = 266.15 K
 S1/R = 30.113 , A1 = 1073.31 FT./SEC. , H1/R = 931.531 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 RCP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
3400C.	31.678	201.694 200.782 5.059836+03	.000000+00 1311.959 1360.101	.000000+00 14.8237 15.278	.000 42.2426 42.441	.0000 58.407 8.5944	.0000 3.356682+05 2.0950	.0000 1.1939 1.1936
3500C.	32.609	213.673 212.703 5.503950+03	.000000+00 1390.007 1441.164	.000000+00 14.7953 15.253	.000 44.0117 44.206	.0000 59.252 8.8247	.0000 3.455408+05 2.1348	.0000 1.1857 1.1856
3600C.	33.541	225.999 224.975 5.956482+03	.000000+00 1470.633 1524.752	.000000+00 14.8151 15.276	.000 45.5957 45.787	.0000 60.089 9.0515	.0000 3.554134+05 2.1774	.0000 1.1807 1.1808
3700C.	34.473	238.673 237.597 6.415804+03	.000000+00 1553.754 1610.769	.000000+00 14.8641 15.326	.000 47.0430 47.234	.0000 60.922 9.2766	.0000 3.652860+05 2.2224	.0000 1.1776 1.1779
3800C.	35.404	251.694 250.569 6.888165+03	.000000+00 1639.309 1699.224	.000000+00 14.9298 15.393	.000 48.3877 48.579	.0000 61.753 9.5010	.0000 3.751586+05 2.2697	.0000 1.1761 1.1763
3900C.	36.336	265.062 263.888 7.368928+03	.000000+00 1727.253 1790.093	.000000+00 15.0045 15.468	.000 49.6545 49.846	.0000 62.584 9.7255	.0000 3.850312+05 2.3190	.0000 1.1755 1.1757
4000C.	37.268	278.777 277.554 7.862680+03	.000000+00 1817.554 1883.347	.000000+00 15.0827 15.546	.000 50.8611 51.055	.0000 63.416 9.9502	.0000 3.949037+05 2.3700	.0000 1.1753 1.1756
4100C.	38.199	292.839 291.570 8.362296+03	.000000+00 1910.303 1978.953	.000000+00 15.1616 15.624	.000 52.0218 52.218	.0000 64.251 10.1696	.0000 4.047763+05 2.4228	.0000 1.1751 1.1746
4200C.	39.131	307.249 305.930 8.832264+03	.000000+00 2005.275 2076.910	.000000+00 15.2370 15.698	.000 53.1475 53.347	.0000 65.088 10.4063	.0000 4.146489+05 2.4771	.0000 1.1781 1.1774
4300C.	40.063	322.006 320.636 9.289674+03	.000000+00 2102.528 2177.210	.000000+00 15.3073 15.768	.000 54.2476 54.449	.0000 65.928 10.6365	.0000 4.245215+05 2.5329	.0000 1.1781 1.1787

ALTITUDE = 160000. FT.

P1 = 9.176265-04 ATM. , RH01 = 9.266733-04 AMA. , T1 = 270.65 K
 S1/R = 30.553 , A1 = 1082.35 FT./SEC. , H1/R = 947.275 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 RCP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	5.544	7.146 6.965 1.888278+01	1.208568+03 36.655 40.508	1.875682+02 5.8215 6.291	6.434 6.2885 6.431	2.4247 33.949 2.4212	1.0003 3.927763+04 1.0001	1.2907 1.2906 1.2878
7000.	6.467	9.366 9.159 3.059392+01	3.523631+03 50.391 55.155	4.333087+02 6.3674 6.850	8.115 7.8898 8.025	2.6957 34.715 2.6507	1.0009 4.582390+04 1.0022	1.2642 1.2397 1.2343

ALTITUDE = 160000. FT.

P1 = 9.176265-04 ATM. , RH01 = 9.266733-04 AMA. , T1 = 270.65 K
 S1/R = 30.553 , A1 = 1082.35 FT./SEC. , H1/R = 947.275 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
8000.	7.391	11.926 11.711 4.629438+01	9.544253+03 66.789 72.349	9.619951+02 7.1246 7.626	9.874 9.2453 9.346	2.9427 35.470 2.8070	1.0036 5.237017+04 1.0139	1.2347 1.1774 1.1749
9000.	8.315	14.829 14.616 6.643070+01	2.440017+04 85.845 92.037	2.073356+03 8.0640 8.567	11.629 10.2662 10.344	3.1781 36.253 2.9563	1.0108 5.891644+04 1.0373	1.2141 1.1513 1.1509
10000.	9.239	18.073 17.863 9.152157+01	5.958643+04 107.332 114.136	4.335609+03 9.0282 9.525	13.410 11.1245 11.194	3.4277 37.080 3.1164	1.0236 6.546272+04 1.0691	1.2094 1.1460 1.1465
11000.	10.163	21.658 21.447 1.221933+02	1.391882+05 131.075 138.567	8.727108+03 9.9014 10.390	15.282 11.9628 12.033	3.7065 37.950 3.2997	1.0424 7.200899+04 1.1070	1.2185 1.1538 1.1548
12000.	11.087	25.584 25.364 1.590396+02	3.100201+05 156.900 165.234	1.675127+04 10.5710 11.046	17.314 12.9335 13.016	4.0275 38.851 3.5308	1.0676 7.855526+04 1.1479	1.2399 1.1769 1.1789
13000.	12.011	29.853 29.607 2.036086+02	6.562036+05 184.450 193.990	3.051252+04 10.8411 11.295	19.523 14.3629 14.484	4.3947 39.755 3.8666	1.1003 8.510153+04 1.1844	1.2704 1.2288 1.2314
14000.	12.935	34.462 34.173 2.570255+02	1.314767+06 213.584 224.692	5.231868+04 10.7592 11.215	21.957 16.4271 16.565	4.8210 40.620 4.1557	1.1431 9.164780+04 1.2080	1.3084 1.2226 1.2195
15000.	13.859	39.413 39.094 3.190499+02	2.488595+06 245.523 258.017	8.452227+04 10.9705 11.448	24.543 18.1672 18.275	5.3066 41.443 4.3107	1.1982 9.819408+04 1.2317	1.3531 1.1681 1.1664
16000.	14.783	44.706 44.372 3.902075+02	.000000+00 280.367 294.024	.000000+00 11.4431 11.927	.000 19.4249 19.519	.0000 42.258 4.4718	.0000 1.047403+05 1.2614	.0000 1.1481 1.1475
17000.	15.707	50.340 49.997 4.706787+02	.000000+00 317.794 332.515	.000000+00 12.0050 12.492	.000 20.4261 20.510	.0000 43.085 4.6269	.0000 1.112866+05 1.2962	.0000 1.1379 1.1378
18000.	16.631	56.315 55.966 5.620636+02	.000000+00 357.672 373.388	.000000+00 12.5948 13.082	.000 21.2784 21.356	.0000 43.932 4.7822	.0000 1.178329+05 1.3349	.0000 1.1334 1.1335
19000.	17.554	62.632 62.277 6.636844+02	.000000+00 399.930 416.677	.000000+00 13.1813 13.668	.000 22.0393 22.113	.0000 44.800 4.9391	.0000 1.243792+05 1.3770	.0000 1.1317 1.1319
20000.	18.478	69.290 68.928 7.778551+02	.000000+00 444.519 462.243	.000000+00 13.7459 14.229	.000 22.7451 22.817	.0000 45.692 5.0991	.0000 1.309254+05 1.4221	.0000 1.1319 1.1322
21000.	19.402	76.290 75.920 9.040374+02	.000000+00 491.413 510.228	.000000+00 14.2785 14.760	.000 23.4179 23.488	.0000 46.607 5.2626	.0000 1.374717+05 1.4700	.0000 1.1331 1.1333

ALTITUDE = 160000. FT.

P1 = 9.176265-04 ATM. , RHO1 = 9.266733-04 AMA. , T1 = 270.65 K
 S1/R = 30.553 , A1 = 1082.35 FT./SEC. , H1/R = 947.275 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
22000.	20.326	83.631 83.252 1.042819+03	.000000+00 540.588 560.444	.000000+00 14.7723 15.249	.000 24.0740 24.144	.0000 47.546 5.4309	.0000 1.440180+05 1.5204	.0000 1.1349 1.1353
23000.	21.250	91.314 90.924 1.196237+03	.000000+00 592.019 613.059	.000000+00 15.2208 15.695	.000 24.7281 24.799	.0000 48.506 5.6054	.0000 1.505643+05 1.5732	.0000 1.1376 1.1380
24000.	22.174	99.338 98.934 1.364500+03	.000000+00 645.684 668.020	.000000+00 15.6189 16.091	.000 25.3951 25.467	.0000 49.486 5.7877	.0000 1.571105+05 1.6282	.0000 1.1411 1.1414
25000.	23.098	107.703 107.284 1.548728+03	.000000+00 701.549 725.218	.000000+00 15.9598 16.429	.000 26.0924 26.167	.0000 50.484 5.9802	.0000 1.636568+05 1.6849	.0000 1.1456 1.1461
26000.	24.022	116.410 115.972 1.751105+03	.000000+00 759.566 784.775	.000000+00 16.2326 16.699	.000 26.8479 26.928	.0000 51.497 6.1872	.0000 1.702031+05 1.7431	.0000 1.1518 1.1523
27000.	24.946	125.459 124.997 1.973825+03	.000000+00 819.664 846.600	.000000+00 16.4236 16.888	.000 27.6990 27.787	.0000 52.520 6.4145	.0000 1.767493+05 1.8020	.0000 1.1603 1.1610
28000.	25.870	134.848 134.357 2.216221+03	.000000+00 881.712 910.570	.000000+00 16.5053 16.964	.000 28.7178 28.818	.0000 53.549 6.6751	.0000 1.832956+05 1.8603	.0000 1.1735 1.1743
29000.	26.794	144.580 144.048 2.484150+03	.000000+00 945.482 976.585	.000000+00 16.4344 16.886	.000 30.0334 30.157	.0000 54.573 6.9924	.0000 1.898419+05 1.9155	.0000 1.1945 1.1959
30000.	27.718	154.653 154.063 2.781977+03	.000000+00 1010.561 1044.412	.000000+00 16.1514 16.592	.000 31.8679 32.030	.0000 55.579 7.3850	.0000 1.963882+05 1.9629	.0000 1.2242 1.2256
31000.	28.641	165.067 164.401 3.107185+03	.000000+00 1076.975 1114.127	.000000+00 15.7041 16.141	.000 34.2897 34.485	.0000 56.548 7.7668	.0000 2.029344+05 1.9992	.0000 1.2367 1.2363
32000.	29.565	175.823 175.078 3.441545+03	.000000+00 1145.626 1186.181	.000000+00 15.3244 15.768	.000 36.7995 36.998	.0000 57.475 8.0506	.0000 2.094807+05 2.0308	.0000 1.2198 1.2188
33000.	30.489	186.920 186.107 3.784321+03	.000000+00 1217.126 1260.838	.000000+00 15.1117 15.562	.000 39.0029 39.193	.0000 58.369 8.2909	.0000 2.160270+05 2.0647	.0000 1.2009 1.2002
34000.	31.413	198.358 197.484 4.134881+03	.000000+00 1291.347 1338.123	.000000+00 15.0230 15.480	.000 40.8894 41.073	.0000 59.242 8.5209	.0000 2.225732+05 2.1021	.0000 1.1885 1.1882
35000.	32.337	210.138 209.212 4.495593+03	.000000+00 1368.361 1417.921	.000000+00 15.0123 15.472	.000 42.5380 42.717	.0000 60.103 8.7458	.0000 2.291195+05 2.1428	.0000 1.1808 1.1807

ALTITUDE = 160000. FT.

P1 = 9.176265-04 ATM. , RH01 = 9.266733-04 AMA. , T1 = 270.65 K
 S1/R = 30.553 , A1 = 1082.35 FT./SEC. , H1/R = 947.275 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
36000.	33.261	222.260 221.283 4.868237+03	.000000+00 1447.827 1500.205	.000000+00 15.0469 15.509	.000 44.0136 44.190	.0000 60.957 8.9686	.0000 2.356658+05 2.1864	.0000 1.1761 1.1763
37000.	34.185	234.723 233.699 5.240139+03	.000000+00 1529.734 1584.854	.000000+00 15.1080 15.571	.000 45.3621 45.538	.0000 61.807 9.1899	.0000 2.422121+05 2.2325	.0000 1.1736 1.1737
38000.	35.109	247.527 246.456 5.622365+03	.000000+00 1613.953 1671.910	.000000+00 15.1841 15.648	.000 46.6157 46.791	.0000 62.657 9.4103	.0000 2.487583+05 2.2807	.0000 1.1722 1.1725
39000.	36.033	260.673 259.558 6.016595+03	.000000+00 1700.673 1761.329	.000000+00 15.2688 15.732	.000 47.7975 47.974	.0000 63.508 9.6301	.0000 2.553046+05 2.3309	.0000 1.1716 1.1718
40000.	36.957	274.160 273.000 6.412198+03	.000000+00 1789.631 1853.103	.000000+00 15.3555 15.819	.000 48.9240 49.102	.0000 64.361 9.8511	.0000 2.618509+05 2.3828	.0000 1.1716 1.1719
41000.	37.881	287.989 286.783 6.818264+03	.000000+00 1880.880 1947.208	.000000+00 15.4412 15.905	.000 50.0079 50.188	.0000 65.216 10.0733	.0000 2.683971+05 2.4365	.0000 1.1722 1.1725
42000.	38.805	302.159 300.909 7.225434+03	.000000+00 1974.525 2043.580	.000000+00 15.5241 15.985	.000 51.0601 51.242	.0000 66.075 10.2919	.0000 2.749434+05 2.4918	.0000 1.1728 1.1721
43000.	39.728	316.671 315.374 7.609709+03	.000000+00 2070.324 2142.295	.000000+00 15.6011 16.061	.000 52.0877 52.273	.0000 66.937 10.5308	.0000 2.814897+05 2.5486	.0000 1.1764 1.1762
44000.	40.652	331.524 330.178 7.967562+03	.000000+00 2168.349 2243.314	.000000+00 15.6708 16.130	.000 53.0992 53.288	.0000 67.804 10.7544	.0000 2.880360+05 2.6068	.0000 1.1760 1.1764

ALTITUDE = 170000. FT.

P1 = 6.283318-04 ATM. , RH01 = 6.345265-04 AMA. , T1 = 270.65 K
 S1/R = 30.932 , A1 = 1082.35 FT./SEC. , H1/R = 947.275 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	5.544	7.146 6.965 1.562516+01	1.208667+03 36.656 40.509	1.875983+02 5.8221 6.292	6.434 6.2880 6.430	2.4244 34.328 2.4204	1.0002 2.689480+04 1.0001	1.2905 1.2901 1.2871
7000.	6.467	9.366 9.160 2.531274+01	3.524763+03 50.407 55.164	4.336481+02 6.3795 6.864	8.112 7.8748 8.006	2.6936 35.094 2.6429	1.0008 3.137727+04 1.0026	1.2628 1.2350 1.2294
8000.	7.391	11.926 11.714 3.828915+01	9.557090+03 66.858 72.378	9.650834+02 7.1704 7.673	9.855 9.1831 9.279	2.9357 35.854 2.7931	1.0036 3.585974+04 1.0154	1.2311 1.1723 1.1700

ALTITUDE = 170000. FT.

P1 = 6.283318-04 ATM. , RHO1 = 6.345265-04 AMA. , T1 = 270.65 K
 S1/R = 30.932 , A1 = 1082.35 FT./SEC. , H1/R = 947.275 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
9000.	8.315	14.829 14.620 5.492746+01	2.449947+04 85.959 92.089	2.090328+03 8.1412 8.645	11.577 10.1584 10.233	3.1653 36.646 2.9396	1.0112 4.034221+04 1.0398	1.2093 1.1478 1.1475
10000.	9.239	18.073 17.868 7.565023+01	6.010845+04 107.479 114.216	4.402082+03 9.1300 9.629	13.316 10.9818 11.048	3.4087 37.485 3.0971	1.0242 4.482467+04 1.0724	1.2038 1.1434 1.1439
11000.	10.163	21.658 21.452 1.009875+02	1.413369+05 131.251 138.657	8.941379+03 10.0224 10.511	15.145 11.7925 11.860	3.6796 38.369 3.2786	1.0424 4.930714+04 1.1109	1.2117 1.1517 1.1527
12000.	11.087	25.584 25.369 1.314298+02	3.174113+05 157.093 165.342	1.735327+04 10.6981 11.173	17.140 12.7480 12.828	3.9887 39.286 3.5114	1.0659 5.378961+04 1.1522	1.2304 1.1766 1.1787
13000.	12.011	29.853 29.611 1.682880+02	6.787324+05 184.609 194.051	3.204037+04 10.9347 11.385	19.327 14.2083 14.329	4.3389 40.204 3.8584	1.0948 5.827207+04 1.1880	1.2572 1.2331 1.2356
14000.	12.935	34.462 34.177 2.125280+02	1.375955+06 213.727 224.765	5.582916+04 10.8304 11.288	21.756 16.2971 16.430	4.7394 41.078 4.1346	1.1315 6.275454+04 1.2104	1.2893 1.2179 1.2146
15000.	13.859	39.413 39.100 2.637727+02	2.641923+06 245.746 258.158	9.197933+04 11.0712 11.550	24.356 17.9782 18.084	5.1887 41.910 4.2855	1.1779 6.723701+04 1.2346	1.3260 1.1646 1.1623
16000.	14.783	44.706 44.379 3.224730+02	4.804616+06 280.668 294.181	1.435199+05 11.5733 12.059	27.040 19.1781 19.267	5.6814 42.736 4.4415	1.2365 7.171948+04 1.2646	1.3640 1.1444 1.1440
17000.	15.707	50.340 50.006 3.887741+02	.000000+00 318.155 332.680	.000000+00 12.1577 12.646	.000 20.1357 20.215	.0000 43.576 4.5939	.0000 7.620194+04 1.2999	.0000 1.1348 1.1348
18000.	16.631	56.315 55.975 4.643184+02	.000000+00 358.087 373.616	.000000+00 12.7669 13.255	.000 20.9523 21.026	.0000 44.437 4.7467	.0000 8.068441+04 1.3389	.0000 1.1307 1.1308
19000.	17.554	62.632 62.287 5.485229+02	.000000+00 400.394 416.886	.000000+00 13.3706 13.857	.000 21.6827 21.752	.0000 45.321 4.9008	.0000 8.516688+04 1.3814	.0000 1.1292 1.1294
20000.	18.478	69.290 68.939 6.423196+02	.000000+00 445.032 462.506	.000000+00 13.9513 14.435	.000 22.3609 22.428	.0000 46.231 5.0583	.0000 8.964934+04 1.4269	.0000 1.1294 1.1297
21000.	19.402	76.290 75.931 7.467690+02	.000000+00 491.974 510.453	.000000+00 14.4987 14.979	.000 23.0076 23.074	.0000 47.164 5.2195	.0000 9.413181+04 1.4751	.0000 1.1307 1.1310
22000.	20.326	83.631 83.264 8.616413+02	.000000+00 541.197 560.766	.000000+00 15.0056 15.483	.000 23.6402 23.706	.0000 48.122 5.3854	.0000 9.861428+04 1.5259	.0000 1.1325 1.1328

ALTITUDE = 170000. FT.

P1 = 6.283318-04 ATM. , RH01 = 6.345265-04 AMA. , T1 = 270.65 K
 S1/R = 30.932 , A1 = 1082.35 FT./SEC. , H1/R = 947.275 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
23000.	21.250	91.314 90.936 9.877736+02	.000000+00 592.680 613.401	.000000+00 15.4668 15.942	.000 24.2708 24.337	.0000 49.102 5.5579	.0000 1.030968+05 1.5791	.0000 1.1353 1.1357
24000.	22.174	99.338 98.947 1.126332+03	.000000+00 646.395 668.435	.000000+00 15.8749 16.349	.000 24.9163 24.985	.0000 50.103 5.7376	.0000 1.075792+05 1.6344	.0000 1.1387 1.1391
25000.	23.098	107.703 107.298 1.277916+03	.000000+00 702.311 725.618	.000000+00 16.2238 16.694	.000 25.5938 25.665	.0000 51.122 5.9282	.0000 1.120617+05 1.6916	.0000 1.1433 1.1437
26000.	24.022	116.410 115.986 1.443508+03	.000000+00 760.381 785.168	.000000+00 16.5026 16.969	.000 26.3292 26.405	.0000 52.157 6.1336	.0000 1.165441+05 1.7502	.0000 1.1497 1.1502
27000.	24.946	125.459 125.012 1.625623+03	.000000+00 820.523 847.025	.000000+00 16.6935 17.158	.000 27.1662 27.250	.0000 53.203 6.3599	.0000 1.210266+05 1.8095	.0000 1.1584 1.1591
28000.	25.870	134.848 134.372 1.825788+03	.000000+00 882.601 910.996	.000000+00 16.7678 17.227	.000 28.1789 28.276	.0000 54.254 6.6237	.0000 1.255091+05 1.8680	.0000 1.1726 1.1736
29000.	26.794	144.580 144.063 2.048316+03	.000000+00 946.354 977.000	.000000+00 16.6721 17.122	.000 29.5154 29.637	.0000 55.299 6.9489	.0000 1.299916+05 1.9230	.0000 1.1957 1.1971
30000.	27.718	154.653 154.077 2.293747+03	.000000+00 1011.338 1044.771	.000000+00 16.3403 16.779	.000 31.4196 31.581	.0000 56.323 7.3543	.0000 1.344740+05 1.9693	.0000 1.2273 1.2288
31000.	28.641	165.067 164.414 2.562530+03	.000000+00 1077.680 1114.468	.000000+00 15.8546 16.292	.000 33.9014 34.092	.0000 57.306 7.7263	.0000 1.389565+05 2.0042	.0000 1.2350 1.2344
32000.	29.565	175.823 175.094 2.836354+03	.000000+00 1146.448 1186.565	.000000+00 15.4812 15.926	.000 36.3647 36.553	.0000 58.244 7.9932	.0000 1.434390+05 2.0358	.0000 1.2140 1.2131
33000.	30.489	186.920 186.124 3.117033+03	.000000+00 1218.065 1261.317	.000000+00 15.2884 15.741	.000 38.4758 38.656	.0000 59.151 8.2263	.0000 1.479214+05 2.0704	.0000 1.1953 1.1948
34000.	31.413	198.358 197.506 3.404400+03	.000000+00 1292.536 1338.687	.000000+00 15.2195 15.678	.000 40.2711 40.444	.0000 60.038 8.4512	.0000 1.524039+05 2.1087	.0000 1.1835 1.1833
35000.	32.337	210.138 209.236 3.700505+03	.000000+00 1369.656 1418.584	.000000+00 15.2245 15.686	.000 41.8372 42.006	.0000 60.915 8.6720	.0000 1.568864+05 2.1504	.0000 1.1764 1.1763
36000.	33.261	222.260 221.312 4.008368+03	.000000+00 1449.358 1500.907	.000000+00 15.2732 15.735	.000 43.2393 43.405	.0000 61.785 8.8902	.0000 1.613688+05 2.1949	.0000 1.1722 1.1722

ALTITUDE = 170000. FT.

P1 = 6.283318-04 ATM. , RH01 = 6.345265-04 AMA. , T1 = 270.65 K
 S1/R = 30.932 , A1 = 1082.35 FT./SEC. , H1/R = 947.275 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 RCP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
37000.	34.185	234.723 233.731 4.327295+03	.000000+00 1531.423 1585.604	.000000+00 15.3463 15.809	.000 44.5213 44.686	.0000 62.654 9.1074	.0000 1.658513+05 2.2418	.0000 1.1697 1.1699
38000.	35.109	247.527 246.493 4.642872+03	.000000+00 1615.908 1672.730	.000000+00 15.4331 15.896	.000 45.7140 45.878	.0000 63.522 9.3233	.0000 1.703338+05 2.2908	.0000 1.1684 1.1686
39000.	36.033	260.673 259.595 4.964057+03	.000000+00 1702.656 1762.263	.000000+00 15.5261 15.990	.000 46.8384 47.004	.0000 64.392 9.5402	.0000 1.748162+05 2.3418	.0000 1.1680 1.1683
40000.	36.957	274.160 273.040 5.295663+03	.000000+00 1791.760 1854.105	.000000+00 15.6210 16.085	.000 47.9108 48.077	.0000 65.264 9.7577	.0000 1.792987+05 2.3947	.0000 1.1682 1.1685
41000.	37.881	287.989 286.825 5.625639+03	.000000+00 1883.155 1948.258	.000000+00 15.7141 16.178	.000 48.9435 49.112	.0000 66.140 9.9766	.0000 1.837812+05 2.4492	.0000 1.1688 1.1692
42000.	38.805	302.159 300.953 5.963847+03	.000000+00 1976.929 2044.732	.000000+00 15.8035 16.266	.000 49.9462 50.117	.0000 67.020 10.1970	.0000 1.882636+05 2.5053	.0000 1.1698 1.1701
43000.	39.728	316.671 315.420 6.299009+03	.000000+00 2072.875 2143.525	.000000+00 15.8870 16.348	.000 50.9259 51.100	.0000 67.904 10.4177	.0000 1.927461+05 2.5629	.0000 1.1712 1.1709
44000.	40.652	331.524 330.227 6.620911+03	.000000+00 2171.069 2244.651	.000000+00 15.9646 16.422	.000 51.8881 52.067	.0000 68.792 10.6576	.0000 1.972286+05 2.6220	.0000 1.1742 1.1756
45000.	41.576	346.718 345.373 6.902201+03	.000000+00 2271.435 2348.002	.000000+00 16.0286 16.487	.000 52.8465 53.026	.0000 69.685 10.8762	.0000 2.017110+05 2.6824	.0000 1.1746 1.1750
46000.	42.500	362.254 360.858 7.220856+03	.000000+00 2374.030 2453.712	.000000+00 16.0863 16.544	.000 53.7981 53.982	.0000 70.582 11.1097	.0000 2.061935+05 2.7442	.0000 1.1768 1.1772

ALTITUDE = 180000. FT.

P1 = 4.292351-04 ATM. , RH01 = 4.412751-04 AMA. , T1 = 265.86 K
 S1/R = 31.250 , A1 = 1072.73 FT./SEC. , H1/R = 930.513 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 RCP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
6000.	5.593	7.257 7.073 1.298818+01	1.274825+03 37.314 41.227	1.947982+02 5.8347 6.304	6.536 6.3870 6.531	2.4217 34.681 2.4172	1.0001 1.897093+04 1.0001	1.2906 1.2898 1.2867
7000.	6.525	9.516 9.308 2.105677+01	3.725983+03 51.332 56.155	4.511872+02 6.4015 6.887	8.242 7.9894 8.120	2.6899 35.451 2.6337	1.0007 2.213275+04 1.0030	1.2618 1.2308 1.2251

ALTITUDE = 180000. FT.

P1 = 4.292351-04 ATM. , RH01 = 4.412751-04 AMA. , T1 = 265.86 K
 S1/R = 31.250 , A1 = 1072.73 FT./SEC. , H1/R = 930.513 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
8000.	7.458	12.123 11.910 3.185865+01	1.012523+04 68.122 73.698	1.007225+03 7.2220 7.726	10.003 9.2782 9.371	2.9280 36.216 2.7787	1.0038 2.529457+04 1.0167	1.2282 1.1679 1.1657
9000.	8.390	15.078 14.869 4.570879+01	2.604420+04 87.608 93.788	2.192591+03 8.2215 8.726	11.726 10.2306 10.303	3.1531 37.018 2.9226	1.0118 2.845639+04 1.0420	1.2054 1.1447 1.1445
10000.	9.322	18.380 18.176 6.295808+01	6.420929+04 109.547 116.330	4.647898+03 9.2333 9.733	13.460 11.0376 11.102	3.3921 37.869 3.0779	1.0251 3.161821+04 1.0753	1.1995 1.1409 1.1414
11000.	10.254	22.030 21.825 8.403597+01	1.518946+05 133.774 141.218	9.513672+03 10.1444 10.633	15.285 11.8374 11.903	3.6576 38.768 3.2577	1.0433 3.478004+04 1.1144	1.2067 1.1497 1.1508
12000.	11.186	26.027 25.813 1.093951+02	3.435165+05 160.096 168.393	1.862793+04 10.8251 11.300	17.281 12.7973 12.877	3.9591 39.699 3.4920	1.0658 3.794186+04 1.1559	1.2241 1.1761 1.1783
13000.	12.119	30.372 30.131 1.400971+02	7.406254+05 188.074 197.594	3.475064+04 11.0265 11.475	19.484 14.3164 14.440	4.2983 40.631 3.8500	1.0925 4.110368+04 1.1911	1.2485 1.2373 1.2396
14000.	13.051	35.065 34.778 1.770234+02	1.515353+06 217.709 228.908	6.128638+04 10.9046 11.366	21.946 16.4594 16.591	4.6811 41.513 4.1131	1.1253 4.426550+04 1.2125	1.2763 1.2132 1.2097
15000.	13.983	40.105 39.792 2.196477+02	2.941399+06 250.385 262.914	1.024569+05 11.1753 11.655	24.599 18.1118 18.215	5.1033 42.355 4.2618	1.1657 4.742732+04 1.2370	1.3064 1.1616 1.1595
16000.	14.915	45.493 45.168 2.684001+02	5.415282+06 286.004 299.624	1.625818+05 11.7030 12.190	27.346 19.2823 19.368	5.5631 43.193 4.4125	1.2165 5.058914+04 1.2675	1.3381 1.1411 1.1408
17000.	15.847	51.228 50.897 3.236777+02	9.486293+06 324.222 338.837	2.457885+05 12.3082 12.797	30.100 20.2177 20.294	6.0749 44.046 4.5622	1.2807 5.375097+04 1.3031	1.3770 1.1321 1.1320
18000.	16.780	57.311 56.975 3.862134+02	.000000+00 364.923 380.509	.000000+00 12.9357 13.424	.000 21.0163 21.087	.0000 44.920 4.7127	.0000 5.691279+04 1.3426	.0000 1.1282 1.1284
19000.	17.712	63.742 63.400 4.564787+02	.000000+00 408.037 424.560	.000000+00 13.5555 14.041	.000 21.7324 21.800	.0000 45.820 4.8646	.0000 6.007461+04 1.3853	.0000 1.1269 1.1271
20000.	18.644	70.520 70.173 5.343149+02	.000000+00 453.525 471.075	.000000+00 14.1517 14.636	.000 22.3968 22.462	.0000 46.746 5.0194	.0000 6.323643+04 1.4311	.0000 1.1271 1.1273
21000.	19.576	77.646 77.292 6.212098+02	.000000+00 501.359 519.893	.000000+00 14.7134 15.194	.000 23.0318 23.096	.0000 47.698 5.1784	.0000 6.639825+04 1.4797	.0000 1.1284 1.1287

ALTITUDE = 180000. FT.

P1 = 4.292351-04 ATM. , RHO1 = 4.412751-04 AMA. , T1 = 265.86 K
 S1/R = 31.250 , A1 = 1072.73 FT./SEC. , H1/R = 930.513 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 RCP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
22000.	20.508	85.119 84.757 7.170409+02	.000000+00 551.515 571.133	.000000+00 15.2336 15.712	.000 23.6525 23.716	.0000 48.673 5.3422	.0000 6.956007+04 1.5309	.0000 1.1304 1.1306
23000.	21.441	92.940 92.568 8.221087+02	.000000+00 603.972 624.733	.000000+00 15.7058 16.181	.000 24.2745 24.339	.0000 49.673 5.5122	.0000 7.272189+04 1.5844	.0000 1.1330 1.1333
24000.	22.373	101.109 100.724 9.370615+02	.000000+00 658.704 680.702	.000000+00 16.1244 16.597	.000 24.9106 24.977	.0000 50.694 5.6904	.0000 7.588372+04 1.6401	.0000 1.1366 1.1370
25000.	23.305	109.625 109.225 1.062879+03	.000000+00 715.677 738.983	.000000+00 16.4811 16.950	.000 25.5812 25.650	.0000 51.735 5.8786	.0000 7.904554+04 1.6977	.0000 1.1411 1.1416
26000.	24.237	118.489 118.071 1.200666+03	.000000+00 774.840 799.685	.000000+00 16.7648 17.232	.000 26.3126 26.386	.0000 52.791 6.0822	.0000 8.220736+04 1.7566	.0000 1.1475 1.1480
27000.	25.169	127.701 127.260 1.350723+03	.000000+00 836.109 862.667	.000000+00 16.9562 17.421	.000 27.1506 27.232	.0000 53.859 6.3093	.0000 8.536918+04 1.8162	.0000 1.1570 1.1577
28000.	26.102	137.260 136.789 1.517039+03	.000000+00 899.332 927.844	.000000+00 17.0219 17.481	.000 28.1777 28.273	.0000 54.931 6.5744	.0000 8.853100+04 1.8750	.0000 1.1718 1.1728
29000.	27.034	147.166 146.653 1.701637+03	.000000+00 964.159 994.985	.000000+00 16.8989 17.349	.000 29.5614 29.683	.0000 55.996 6.9088	.0000 9.169282+04 1.9298	.0000 1.1971 1.1986
30000.	27.966	157.420 156.847 1.906984+03	.000000+00 1030.264 1063.924	.000000+00 16.5169 16.954	.000 31.5737 31.738	.0000 57.036 7.3259	.0000 9.485465+04 1.9749	.0000 1.2306 1.2316
31000.	28.898	168.022 167.369 2.130447+03	.000000+00 1097.699 1134.847	.000000+00 15.9984 16.437	.000 34.1458 34.334	.0000 58.032 7.6841	.0000 9.801647+04 2.0086	.0000 1.2325 1.2316
32000.	29.830	178.972 178.245 2.355674+03	.000000+00 1167.894 1208.308	.000000+00 15.6368 16.083	.000 36.5944 36.777	.0000 58.982 7.9371	.0000 1.011783+05 2.0404	.0000 1.2086 1.2076
33000.	30.763	190.269 189.477 2.584974+03	.000000+00 1240.976 1284.498	.000000+00 15.4644 15.919	.000 38.6532 38.826	.0000 59.901 8.1639	.0000 1.043401+05 2.0757	.0000 1.1901 1.1895
34000.	31.695	201.913 201.068 2.819184+03	.000000+00 1316.966 1363.358	.000000+00 15.4138 15.873	.000 40.3952 40.561	.0000 60.803 8.3839	.0000 1.075019+05 2.1150	.0000 1.1788 1.1786
35000.	32.627	213.906 213.012 3.059701+03	.000000+00 1395.640 1444.776	.000000+00 15.4339 15.896	.000 41.9135 42.075	.0000 61.694 8.6011	.0000 1.106638+05 2.1575	.0000 1.1722 1.1722

ALTITUDE = 180000. FT.

P1 = 4.292351-04 ATM. , RHO1 = 4.412751-04 AMA. , T1 = 265.86 K
 S1/R = 31.250 , A1 = 1072.73 FT./SEC. , H1/R = 930.513 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
36000.	33.559	226.245 225.308 3.308803+03	.000000+00 1476.934 1528.654	.000000+00 15.4955 15.959	.000 43.2733 43.432	.0000 62.581 8.8158	.0000 1.138256+05 2.2028	.0000 1.1684 1.1685
37000.	34.492	238.933 237.953 3.565268+03	.000000+00 1560.619 1614.961	.000000+00 15.5793 16.044	.000 44.5175 44.675	.0000 63.467 9.0286	.0000 1.169874+05 2.2505	.0000 1.1661 1.1662
38000.	35.424	251.968 250.947 3.826924+03	.000000+00 1646.728 1703.776	.000000+00 15.6760 16.141	.000 45.6752 45.833	.0000 64.353 9.2419	.0000 1.201492+05 2.3003	.0000 1.1650 1.1653
39000.	36.356	265.350 264.288 4.096415+03	.000000+00 1735.219 1794.990	.000000+00 15.7779 16.243	.000 46.7677 46.926	.0000 65.242 9.4550	.0000 1.233110+05 2.3521	.0000 1.1647 1.1650
40000.	37.288	279.081 277.977 4.370485+03	.000000+00 1826.065 1888.535	.000000+00 15.8805 16.346	.000 47.8100 47.970	.0000 66.133 9.6686	.0000 1.264729+05 2.4056	.0000 1.1649 1.1652
41000.	38.220	293.159 292.013 4.655995+03	.000000+00 1919.241 1984.440	.000000+00 15.9806 16.445	.000 48.8139 48.975	.0000 67.029 9.8843	.0000 1.296347+05 2.4609	.0000 1.1657 1.1660
42000.	39.153	307.584 306.396 4.942038+03	.000000+00 2014.732 2082.754	.000000+00 16.0761 16.540	.000 49.7892 49.953	.0000 67.930 10.1016	.0000 1.327965+05 2.5178	.0000 1.1667 1.1670
43000.	40.085	322.357 321.127 5.236763+03	.000000+00 2112.640 2183.359	.000000+00 16.1657 16.628	.000 50.7432 50.909	.0000 68.835 10.3214	.0000 1.359583+05 2.5762	.0000 1.1680 1.1684
44000.	41.017	337.478 336.203 5.526488+03	.000000+00 2212.721 2286.311	.000000+00 16.2464 16.707	.000 51.6825 51.851	.0000 69.745 10.5439	.0000 1.391201+05 2.6360	.0000 1.1698 1.1700
45000.	41.949	352.946 351.625 5.807662+03	.000000+00 2315.107 2391.627	.000000+00 16.3229 16.781	.000 52.6081 52.782	.0000 70.659 10.7743	.0000 1.422820+05 2.6970	.0000 1.1710 1.1730
46000.	42.881	368.762 367.391 6.028677+03	.000000+00 2419.652 2499.293	.000000+00 16.3804 16.838	.000 53.5409 53.717	.0000 71.578 10.9998	.0000 1.454438+05 2.7598	.0000 1.1735 1.1740
47000.	43.814	384.925 383.503 6.253928+03	.000000+00 2526.468 2609.296	.000000+00 16.4319 16.889	.000 54.4708 54.651	.0000 72.502 11.2347	.0000 1.486056+05 2.8236	.0000 1.1760 1.1765

ALTITUDE = 190000. FT.

P1 = 2.908457-04 ATM. , RHO1 = 3.058950-04 AMA. , T1 = 259.87 K
 S1/R = 31.560 , A1 = 1060.58 FT./SEC. , H1/R = 909.551 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RC/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	5.657	7.401 7.214 1.076996+01	1.363241+03 38.172 42.163	2.041816+02 5.8504 6.320	6.668 6.5161 6.662	2.4185 35.036 2.4134	1.0001 1.339233+04 1.0001	1.2907 1.2896 1.2863
7000.	6.600	9.712 9.502 1.747765+01	3.995371+03 52.529 57.445	4.740391+02 6.4267 6.914	8.412 8.1410 8.271	2.6855 35.809 2.6235	1.0007 1.562438+04 1.0034	1.2607 1.2265 1.2206
8000.	7.543	12.380 12.165 2.645386+01	1.088554+04 69.753 75.415	1.061853+03 7.2777 7.783	10.198 9.4158 9.506	2.9197 36.580 2.7639	1.0040 1.785644+04 1.0180	1.2251 1.1637 1.1616
9000.	8.486	15.402 15.193 3.796397+01	2.810491+04 89.728 95.995	2.323742+03 8.3057 8.812	11.931 10.3506 10.421	3.1408 37.392 2.9053	1.0125 2.008849+04 1.0441	1.2016 1.1418 1.1416
10000.	9.429	18.781 18.577 5.229520+01	6.964210+04 112.203 119.060	4.958644+03 9.3403 9.840	13.667 11.1462 11.209	3.3759 38.256 3.0586	1.0264 2.232054+04 1.0782	1.1955 1.1386 1.1391
11000.	10.372	22.515 22.310 6.979901+01	1.657417+05 137.014 144.535	1.022546+04 10.2697 10.759	15.496 11.9404 12.004	3.6371 39.169 3.2366	1.0447 2.455260+04 1.1177	1.2024 1.1478 1.1489
12000.	11.315	26.604 26.391 9.088292+01	3.773571+05 163.968 172.322	2.018530+04 10.9551 11.427	17.503 12.9099 12.989	3.9325 40.117 3.4727	1.0668 2.678465+04 1.1596	1.2188 1.1759 1.1782
13000.	12.257	31.049 30.806 1.164247+02	8.198389+05 192.538 202.178	3.800482+04 11.1159 11.561	19.731 14.5032 14.630	4.2634 41.063 3.8422	1.0920 2.901671+04 1.1939	1.2414 1.2417 1.2437
14000.	13.200	35.850 35.561 1.471889+02	1.691621+06 222.861 234.256	6.773464+04 10.9817 11.445	22.235 16.7039 16.833	4.6334 41.953 4.0907	1.1218 3.124876+04 1.2145	1.2665 1.2080 1.2046
15000.	14.143	41.006 40.692 1.826440+02	3.314789+06 256.373 269.074	1.146536+05 11.2832 11.765	24.948 18.3330 18.433	5.0332 42.804 4.2369	1.1575 3.348082+04 1.2393	1.2910 1.1578 1.1564
16000.	15.086	46.518 46.193 2.230274+02	6.168889+06 292.881 306.673	1.846472+05 11.8371 12.326	27.766 19.4798 19.564	5.4648 43.653 4.3823	1.2018 3.571287+04 1.2703	1.3170 1.1371 1.1371
17000.	16.029	52.386 52.055 2.689320+02	1.094476+07 332.034 346.780	2.840094+05 12.4626 12.951	30.597 20.3985 20.473	5.9402 44.519 4.5305	1.2579 3.794492+04 1.3063	1.3491 1.1294 1.1294
18000.	16.972	58.609 58.274 3.205167+02	.000000+00 373.722 389.431	.000000+00 13.1086 13.597	.000 21.1833 21.252	.0000 45.409 4.6787	.0000 4.017698+04 1.3461	.0000 1.1259 1.1260
19000.	17.915	65.188 64.848 3.790426+02	.000000+00 417.874 434.567	.000000+00 13.7446 14.232	.000 21.8889 21.954	.0000 46.324 4.8284	.0000 4.240903+04 1.3892	.0000 1.1247 1.1248

ALTITUDE = 190000. FT.

P1 = 2.908457-04 ATM. , RHO1 = 3.058950-04 AMA. , T1 = 259.87 K
 S1/R = 31.560 , A1 = 1060.58 FT./SEC. , H1/R = 909.551 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
20000.	18.858	72.122 71.777 4.438691+02	.000000+00 464.456 482.147	.000000+00 14.3560 14.841	.000 22.5441 22.607	.0000 47.267 4.9808	.0000 4.464109+04 1.4353	.0000 1.1248 1.1250
21000.	19.801	79.412 79.061 5.155970+02	.000000+00 513.437 532.133	.000000+00 14.9320 15.414	.000 23.1705 23.233	.0000 48.236 5.1374	.0000 4.687314+04 1.4842	.0000 1.1260 1.1263
22000.	20.743	87.058 86.698 5.953459+02	.000000+00 564.797 584.530	.000000+00 15.4655 15.943	.000 23.7837 23.846	.0000 49.231 5.2991	.0000 4.910520+04 1.5357	.0000 1.1281 1.1284
23000.	21.686	95.059 94.690 6.828631+02	.000000+00 618.510 639.412	.000000+00 15.9497 16.425	.000 24.3986 24.461	.0000 50.251 5.4671	.0000 5.133725+04 1.5896	.0000 1.1309 1.1312
24000.	22.629	103.416 103.034 7.785227+02	.000000+00 674.552 696.622	.000000+00 16.3782 16.849	.000 25.0299 25.094	.0000 51.292 5.6428	.0000 5.356931+04 1.6456	.0000 1.1342 1.1346
25000.	23.572	112.129 111.732 8.828435+02	.000000+00 732.887 756.354	.000000+00 16.7430 17.212	.000 25.6969 25.764	.0000 52.354 5.8297	.0000 5.580136+04 1.7035	.0000 1.1391 1.1395
26000.	24.515	121.197 120.782 9.971212+02	.000000+00 793.462 818.482	.000000+00 17.0319 17.500	.000 26.4284 26.500	.0000 53.432 6.0318	.0000 5.803342+04 1.7629	.0000 1.1456 1.1461
27000.	25.458	130.621 130.184 1.121748+03	.000000+00 856.188 882.945	.000000+00 17.2238 17.689	.000 27.2714 27.351	.0000 54.522 6.2581	.0000 6.026547+04 1.8228	.0000 1.1553 1.1560
28000.	26.401	140.400 139.933 1.258655+03	.000000+00 920.892 949.622	.000000+00 17.2798 17.739	.000 28.3194 28.413	.0000 55.615 6.5258	.0000 6.249752+04 1.8818	.0000 1.1711 1.1720
29000.	27.344	150.535 150.024 1.411947+03	.000000+00 987.184 1018.289	.000000+00 17.1271 17.575	.000 29.7623 29.886	.0000 56.701 6.8714	.0000 6.472958+04 1.9363	.0000 1.1991 1.2006
30000.	28.287	161.025 160.451 1.583593+03	.000000+00 1054.694 1088.766	.000000+00 16.6895 17.125	.000 31.9032 32.071	.0000 57.758 7.2998	.0000 6.696163+04 1.9801	.0000 1.2340 1.2349
31000.	29.229	171.872 171.216 1.769068+03	.000000+00 1123.713 1161.303	.000000+00 16.1445 16.583	.000 34.5673 34.753	.0000 58.766 7.6394	.0000 6.919369+04 2.0127	.0000 1.2289 1.2278
32000.	30.172	183.073 182.345 1.954281+03	.000000+00 1195.629 1236.541	.000000+00 15.7580 16.246	.000 36.9995 37.177	.0000 59.728 7.8804	.0000 7.142574+04 2.0449	.0000 1.2030 1.2021
33000.	31.115	194.631 193.840 2.142389+03	.000000+00 1270.576 1314.601	.000000+00 15.6467 16.103	.000 39.0130 39.180	.0000 60.660 8.1013	.0000 7.365780+04 2.0811	.0000 1.1850 1.1845

ALTITUDE = 190000. FT.

P1 = 2.908457-04 ATM. , RHO1 = 3.058950-04 AMA. , T1 = 259.87 K
 S1/R = 31.560 , A1 = 1060.58 FT./SEC. , H1/R = 909.551 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	RC/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
34000.	32.058	206.544 205.701 2.334634+03	.000000+00 1348.497 1395.376	.000000+00 15.6146 16.076	.000 40.7109 40.871	.00000 61.576 8.3175	.0000 7.588985+04 2.1212	.0000 1.1744 1.1742
35000.	33.001	218.812 217.923 2.532091+03	.000000+00 1429.145 1478.744	.000000+00 15.6497 16.114	.000 42.1901 42.346	.00000 62.483 8.5304	.0000 7.812191+04 2.1645	.0000 1.1683 1.1683
36000.	33.944	231.437 230.506 2.731927+03	.000000+00 1512.465 1564.636	.000000+00 15.7239 16.189	.000 43.5154 43.669	.00000 63.387 8.7407	.0000 8.035396+04 2.2106	.0000 1.1645 1.1646
37000.	34.887	244.416 243.444 2.939231+03	.000000+00 1598.225 1653.070	.000000+00 15.8191 16.285	.000 44.7286 44.881	.00000 64.290 8.9508	.0000 8.258601+04 2.2590	.0000 1.1626 1.1628
38000.	35.830	257.752 256.740 3.154282+03	.000000+00 1686.456 1743.986	.000000+00 15.9252 16.392	.000 45.8586 46.011	.00000 65.195 9.1598	.0000 8.481807+04 2.3096	.0000 1.1616 1.1618
39000.	36.772	271.443 270.391 3.368545+03	.000000+00 1777.124 1837.308	.000000+00 16.0359 16.502	.000 46.9252 47.078	.00000 66.102 9.3695	.0000 8.705012+04 2.3621	.0000 1.1614 1.1617
40000.	37.715	285.490 284.398 3.591218+03	.000000+00 1870.200 1933.078	.000000+00 16.1464 16.613	.000 47.9436 48.097	.00000 67.014 9.5800	.0000 8.928218+04 2.4164	.0000 1.1617 1.1620
41000.	38.658	299.892 298.759 3.815849+03	.000000+00 1965.664 2031.255	.000000+00 16.2541 16.719	.000 48.9249 49.080	.00000 67.930 9.7918	.0000 9.151423+04 2.4724	.0000 1.1624 1.1627
42000.	39.601	314.650 313.476 4.049860+03	.000000+00 2063.492 2131.840	.000000+00 16.3559 16.820	.000 49.8781 50.036	.00000 68.852 10.0063	.0000 9.374629+04 2.5300	.0000 1.1636 1.1639
43000.	40.544	329.763 328.547 4.283829+03	.000000+00 2163.670 2234.834	.000000+00 16.4508 16.914	.000 50.8113 50.971	.00000 69.778 10.2223	.0000 9.597834+04 2.5891	.0000 1.1648 1.1652
44000.	41.487	345.233 343.974 4.525164+03	.000000+00 2266.314 2340.210	.000000+00 16.5382 16.999	.000 51.7308 51.893	.00000 70.710 10.4414	.0000 9.821039+04 2.6497	.0000 1.1664 1.1668
45000.	42.430	361.057 359.753 4.763709+03	.000000+00 2371.156 2447.994	.000000+00 16.6148 17.075	.000 52.6422 52.807	.00000 71.647 10.6650	.0000 1.004425+05 2.7117	.0000 1.1683 1.1688
46000.	43.373	377.238 375.886 5.005606+03	.000000+00 2478.333 2558.148	.000000+00 16.6850 17.143	.000 53.5472 53.716	.00000 72.590 10.8828	.0000 1.026745+05 2.7747	.0000 1.1678 1.1693
47000.	44.316	393.774 392.372 5.204779+03	.000000+00 2587.744 2670.728	.000000+00 16.7388 17.194	.000 54.4612 54.636	.00000 73.537 11.1232	.0000 1.049066+05 2.8396	.0000 1.1742 1.1735

ALTITUDE = 190000. FT.

P1 = 2.908457-04 ATM. , RH01 = 3.058950-04 AMA. , T1 = 259.87 K
 S1/R = 31.560 , A1 = 1060.58 FT./SEC. , H1/R = 909.551 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
48000.	45.258	410.665 409.210 5.384561+03	.000000+00 2699.422 2785.623	.000000+00 16.7811 17.236	.000 55.3828 55.560	.0000 74.489 11.3565	.0000 1.071386+03 2.9054	.0000 1.1752 1.1757

ALTITUDE = 200000. FT.

P1 = 1.953685-04 ATM. , RH01 = 2.103202-04 AMA. , T1 = 253.89 K
 S1/R = 31.876 , A1 = 1048.29 FT./SEC. , H1/R = 888.608 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	5.724	7.552 7.362 8.894030+00	1.461904+03 39.069 43.142	2.145139+02 5.8664 6.336	6.806 6.6511 6.800	2.4152 35.399 2.4094	1.0001 9.381985+03 1.0001	1.2908 1.2893 1.2858
7000.	6.678	9.918 9.704 1.444742+01	4.296449+03 53.784 58.797	4.992288+02 6.4538 6.943	8.590 8.2974 8.426	2.6810 36.175 2.6127	1.0007 1.094565+04 1.0038	1.2595 1.2217 1.2157
8000.	7.631	12.648 12.431 2.187566+01	1.173744+04 71.464 77.212	1.122346+03 7.3369 7.844	10.400 9.5563 9.645	2.9111 36.953 2.7487	1.0043 1.250931+04 1.0194	1.2220 1.1594 1.1575
9000.	8.585	15.742 15.532 3.140167+01	3.042643+04 91.950 98.304	2.470012+03 8.3937 8.901	12.140 10.4734 10.542	3.1278 37.775 2.8877	1.0134 1.407298+04 1.0463	1.1977 1.1388 1.1387
10000.	9.539	19.200 18.996 4.325892+01	7.579188+04 114.984 121.911	5.306498+03 9.4518 9.951	13.878 11.2577 11.319	3.3598 38.652 3.0390	1.0279 1.563664+04 1.0810	1.1918 1.1363 1.1368
11000.	10.493	23.022 22.818 5.773078+01	1.814811+05 140.407 147.990	1.102395+04 10.3996 10.887	15.710 12.0466 12.110	3.6171 39.581 3.2152	1.0466 1.720031+04 1.1211	1.1986 1.1458 1.1469
12000.	11.447	27.208 26.994 7.519623+01	4.160424+05 168.008 176.452	2.193737+04 11.0871 11.559	17.726 13.0299 13.109	3.9075 40.545 3.4538	1.0686 1.876397+04 1.1632	1.2141 1.1760 1.1784
13000.	12.401	31.757 31.512 9.636985+01	9.104719+05 197.202 206.986	4.165541+04 11.2024 11.646	19.977 14.7066 14.837	4.2271 41.505 3.8351	1.0928 2.032763+04 1.1965	1.2328 1.2462 1.2479
14000.	13.355	36.671 36.379 1.218722+02	1.893816+06 228.254 239.822	7.495594+04 11.0613 11.526	22.524 16.9588 17.085	4.5906 42.403 4.0671	1.1204 2.189130+04 1.2163	1.2578 1.2023 1.1989
15000.	14.309	41.949 41.634 1.512501+02	3.743111+06 262.643 275.517	1.282806+05 11.3958 11.879	25.294 18.5614 18.658	4.9719 43.264 4.2097	1.1522 2.345496+04 1.2416	1.2776 1.1533 1.1522
16000.	15.263	47.591 47.266 1.846037+02	7.034402+06 300.077 313.996	2.093596+05 11.9745 12.464	28.179 19.6859 19.766	5.3791 44.124 4.3504	1.1909 2.501863+04 1.2730	1.2987 1.1329 1.1329

ALTITUDE = 200000. FT.

P1 = 1.953685-04 ATM. , RHD1 = 2.103202-04 AMA. , T1 = 253.89 K
 S1/R = 31.876 , A1 = 1048.29 FT./SEC. , H1/R = 888.608 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
17000.	16.217	53.597 53.267 2.227856+02	1.262523+07 340.209 355.094	3.271942+05 12.6220 13.111	31.081 20.5868 20.659	5.8207 45.005 4.4985	1.2400 2.658229+04 1.3094	1.3241 1.1267 1.1267
18000.	17.171	59.967 59.633 2.654312+02	2.166893+07 382.928 398.793	4.896920+05 13.2864 13.775	33.948 21.3587 21.426	6.3115 45.909 4.6443	1.3019 2.814596+04 1.3496	1.3575 1.1235 1.1236
19000.	18.125	66.701 66.362 3.134755+02	.000000+00 428.168 445.027	.000000+00 13.9395 14.427	.000 22.0535 22.117	.0000 46.841 4.7920	.0000 2.970962+04 1.3930	.0000 1.1225 1.1227
20000.	19.079	73.799 73.455 3.670477+02	.000000+00 475.892 493.709	.000000+00 14.5664 15.051	.000 22.7000 22.762	.0000 47.801 4.9421	.0000 3.127328+04 1.4394	.0000 1.1227 1.1229
21000.	20.033	81.260 80.911 4.262738+02	.000000+00 526.074 544.913	.000000+00 15.1574 15.639	.000 23.3176 23.378	.0000 48.789 5.0963	.0000 3.283695+04 1.4886	.0000 1.1238 1.1241
22000.	20.986	89.086 88.729 4.919827+02	.000000+00 578.690 598.585	.000000+00 15.7040 16.182	.000 23.9238 23.984	.0000 49.803 5.2556	.0000 3.440061+04 1.5404	.0000 1.1258 1.1261
23000.	21.940	97.276 96.909 5.644922+02	.000000+00 633.720 654.716	.000000+00 16.2010 16.675	.000 24.5316 24.592	.0000 50.843 5.4215	.0000 3.596428+04 1.5946	.0000 1.1286 1.1289
24000.	22.894	105.830 105.451 6.439444+02	.000000+00 691.131 713.418	.000000+00 16.6397 17.112	.000 25.1582 25.220	.0000 51.906 5.5955	.0000 3.752794+04 1.6510	.0000 1.1322 1.1326
25000.	23.848	114.748 114.355 7.305108+02	.000000+00 750.892 774.584	.000000+00 17.0134 17.485	.000 25.8213 25.886	.0000 52.989 5.7803	.0000 3.909160+04 1.7093	.0000 1.1370 1.1374
26000.	24.802	124.030 123.619 8.248387+02	.000000+00 812.944 838.184	.000000+00 17.3072 17.776	.000 26.5528 26.622	.0000 54.090 5.9809	.0000 4.065527+04 1.7690	.0000 1.1436 1.1441
27000.	25.756	133.675 133.242 9.285716+02	.000000+00 877.191 904.161	.000000+00 17.4989 17.964	.000 27.4028 27.480	.0000 55.202 6.2068	.0000 4.221893+04 1.8293	.0000 1.1536 1.1543
28000.	26.710	143.685 143.222 1.041026+03	.000000+00 943.444 972.356	.000000+00 17.5444 18.002	.000 28.4737 28.567	.0000 56.318 6.4783	.0000 4.378260+04 1.8885	.0000 1.1707 1.1717
29000.	27.664	154.059 153.550 1.167498+03	.000000+00 1011.264 1042.641	.000000+00 17.3578 17.804	.000 29.9839 30.109	.0000 57.424 6.8353	.0000 4.534626+04 1.9427	.0000 1.2013 1.2031
30000.	28.618	164.797 164.220 1.310424+03	.000000+00 1080.224 1114.735	.000000+00 16.8588 17.293	.000 32.2668 32.438	.0000 58.498 7.2731	.0000 4.690993+04 1.9849	.0000 1.2368 1.2375

ALTITUDE = 200000. FT.

P1 = 1.953685-04 ATM. , RHO1 = 2.103202-04 AMA. , T1 = 253.89 K
 S1/R = 31.876 , A1 = 1048.29 FT./SEC. , H1/R = 888.608 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
31000.	29.572	175.899 175.240 1.462730+03	.000000+00 1150.876 1188.981	.000000+00 16.2934 16.733	.0000 35.0091 35.192	.00000 59.518 7.5919	.00000 4.847359+04 2.0167	.00000 1.2246 1.2232
32000.	30.526	187.364 186.635 1.615487+03	.000000+00 1224.667 1266.097	.000000+00 15.9670 16.417	.0000 37.4139 37.586	.00000 60.492 7.8222	.00000 5.003725+04 2.0494	.00000 1.1974 1.1965
33000.	31.480	199.194 198.404 1.770113+03	.000000+00 1301.569 1346.105	.000000+00 15.8380 16.296	.0000 39.3796 39.541	.00000 61.438 8.0382	.00000 5.160092+04 2.0865	.00000 1.1801 1.1796
34000.	32.434	211.388 210.548 1.927749+03	.000000+00 1381.504 1428.850	.000000+00 15.8241 16.287	.0000 41.0333 41.188	.00000 62.369 8.2501	.00000 5.316458+04 2.1275	.00000 1.1701 1.1700
35000.	33.388	223.946 223.061 2.087503+03	.000000+00 1464.216 1514.249	.000000+00 15.8744 16.339	.0000 42.4741 42.624	.00000 63.293 8.4587	.00000 5.472825+04 2.1716	.00000 1.1642 1.1643
36000.	34.341	236.868 235.943 2.251726+03	.000000+00 1549.651 1602.278	.000000+00 15.9614 16.427	.0000 43.7659 43.914	.00000 64.214 8.6659	.00000 5.629191+04 2.2184	.00000 1.1610 1.1611
37000.	35.295	250.153 249.189 2.420515+03	.000000+00 1637.575 1692.847	.000000+00 16.0676 16.535	.0000 44.9493 45.096	.00000 65.135 8.8716	.00000 5.785558+04 2.2676	.00000 1.1591 1.1593
38000.	36.249	263.803 262.800 2.591827+03	.000000+00 1728.027 1785.893	.000000+00 16.1837 16.651	.0000 46.0520 46.198	.00000 66.059 9.0773	.00000 5.941924+04 2.3189	.00000 1.1582 1.1585
39000.	37.203	277.817 276.775 2.770677+03	.000000+00 1820.971 1881.504	.000000+00 16.3034 16.770	.0000 47.0937 47.240	.00000 66.986 9.2831	.00000 6.098290+04 2.3721	.00000 1.1581 1.1584
40000.	38.157	292.194 291.114 2.945696+03	.000000+00 1916.380 1979.578	.000000+00 16.4223 16.889	.0000 48.0885 48.236	.00000 67.918 9.4905	.00000 6.254657+04 2.4271	.00000 1.1585 1.1588
41000.	39.111	306.936 305.816 3.127944+03	.000000+00 2014.230 2080.132	.000000+00 16.5370 17.003	.0000 49.0478 49.197	.00000 68.856 9.6984	.00000 6.411023+04 2.4838	.00000 1.1591 1.1594
42000.	40.065	322.042 320.882 3.310935+03	.000000+00 2114.513 2183.172	.000000+00 16.6463 17.111	.0000 49.9801 50.131	.00000 69.799 9.9094	.00000 6.567390+04 2.5421	.00000 1.1603 1.1606
43000.	41.019	337.512 336.310 3.500028+03	.000000+00 2217.192 2288.672	.000000+00 16.7474 17.211	.0000 50.8929 51.046	.00000 70.747 10.1226	.00000 6.723756+04 2.6019	.00000 1.1616 1.1620
44000.	41.973	353.345 352.101 3.690143+03	.000000+00 2322.262 2396.623	.000000+00 16.8395 17.302	.0000 51.7928 51.948	.00000 71.702 10.3383	.00000 6.880122+04 2.6633	.00000 1.1632 1.1636

ALTITUDE = 200000. FT.

P1 = 1.953685-04 ATM. , RH01 = 2.103202-04 AMA. , T1 = 253.89 K
 S1/R = 31.876 , A1 = 1048.29 FT./SEC. , H1/R = 888.608 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
45000.	42.927	369.543 368.256 3.883743+03	.000000+00 2429.844 2507.046	.000000+00 16.9227 17.383	.000 52.6855 52.844	.0000 72.663 10.5570	.0000 7.036489+04 2.7260	.0000 1.1650 1.1654
46000.	43.881	386.105 384.771 4.078237+03	.000000+00 2539.663 2619.874	.000000+00 16.9943 17.453	.000 53.5758 53.738	.0000 73.629 10.7806	.0000 7.192855+04 2.7901	.0000 1.1671 1.1675
47000.	44.835	403.030 401.648 4.272428+03	.000000+00 2651.828 2735.070	.000000+00 17.0550 17.510	.000 54.4689 54.636	.0000 74.601 10.9971	.0000 7.349222+04 2.8554	.0000 1.1684 1.1676
48000.	45.789	420.320 418.887 4.449412+03	.000000+00 2766.343 2852.915	.000000+00 17.1061 17.558	.000 55.3686 55.543	.0000 75.577 11.2534	.0000 7.505588+04 2.9220	.0000 1.1740 1.1753
49000.	46.743	437.974 436.485 4.594962+03	.000000+00 2883.079 2973.257	.000000+00 17.1360 17.591	.000 56.2914 56.467	.0000 76.558 11.4780	.0000 7.661955+04 2.9897	.0000 1.1749 1.1755
50000.	47.697	455.991 454.445 4.752051+03	.000000+00 3002.139 3095.966	.000000+00 17.1567 17.610	.000 57.2307 57.412	.0000 77.544 11.7219	.0000 7.818321+04 3.0584	.0000 1.1782 1.1786

ALTITUDE = 210000. FT.

P1 = 1.296397-04 ATM. , RH01 = 1.457122-04 AMA. , T1 = 243.17 K
 S1/R = 32.136 , A1 = 1025.93 FT./SEC. , H1/R = 851.096 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 RCP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	5.848	7.841 7.644 7.348938+00	1.662316+03 40.786 45.015	2.347828+02 5.8946 6.364	7.071 6.9102 7.064	2.4096 35.745 2.4032	1.0001 6.731250+03 1.0002	1.2912 1.2892 1.2855
7000.	6.823	10.311 10.090 1.196029+01	4.908942+03 56.166 61.375	5.484741+02 6.4899 6.982	8.933 8.6139 8.744	2.6750 36.526 2.6007	1.0007 7.853126+03 1.0042	1.2589 1.2176 1.2114
8000.	7.798	13.161 12.939 1.812700+01	1.346298+04 74.672 80.622	1.238255+03 7.4018 7.910	10.810 9.8862 9.974	2.9021 37.312 2.7330	1.0046 8.975001+03 1.0206	1.2196 1.1556 1.1538
9000.	8.773	16.391 16.178 2.603642+01	3.506191+04 96.098 102.659	2.740645+03 8.4857 8.994	12.599 10.8071 10.876	3.1154 38.145 2.8697	1.0142 1.009688+04 1.0483	1.1945 1.1361 1.1360
10000.	9.747	20.002 19.794 3.588308+01	8.780154+04 120.177 127.320	5.925224+03 9.5665 10.066	14.380 11.5977 11.659	3.3451 39.036 3.0191	1.0293 1.121875+04 1.0836	1.1890 1.1342 1.1346
11000.	10.722	23.992 23.785 4.789150+01	2.114559+05 146.746 154.569	1.239157+04 10.5318 11.020	16.258 12.3991 12.462	3.5996 39.981 3.1936	1.0484 1.234063+04 1.1241	1.1955 1.1438 1.1449

ALTITUDE = 210000. FT.

P1 = 1.296397-04 ATM. , RH01 = 1.457122-04 AMA. , T1 = 243.17 K
 S1/R = 32.136 , A1 = 1025.93 FT./SEC. , H1/R = 851.096 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
12000.	11.697	28.363 28.145 6.240898+01	4.879434+05 175.577 184.294	2.483721+04 11.2225 11.694	18.331 13.4149 13.496	3.8869 40.961 3.4346	1.0704 1.346250+04 1.1664	1.2109 1.1759 1.1785
13000.	12.671	33.113 32.861 8.003083+01	1.074399+06 206.006 216.149	4.748658+04 11.2900 11.732	20.654 15.2149 15.352	4.1941 41.934 3.8269	1.0941 1.458438+04 1.1987	1.2240 1.2504 1.2516
14000.	13.646	38.244 37.943 1.012280+02	2.249750+06 238.449 250.386	8.609543+04 11.1454 11.610	23.296 17.5585 17.685	4.5584 42.841 4.0433	1.1203 1.570625+04 1.2180	1.2520 1.1970 1.1936
15000.	14.621	43.754 43.431 1.256406+02	4.477072+06 274.438 287.748	1.485758+05 11.5111 11.996	26.180 19.1681 19.264	4.9282 43.711 4.1826	1.1496 1.682813+04 1.2437	1.2690 1.1494 1.1483
16000.	15.596	49.645 49.313 1.533643+02	8.479921+06 313.576 327.910	2.449805+05 12.1092 12.599	29.187 20.2995 20.378	5.3174 44.585 4.3212	1.1845 1.795000+04 1.2757	1.2861 1.1299 1.1297
17000.	16.570	55.915 55.579 1.850996+02	1.535415+07 355.541 370.915	3.875202+05 12.7818 13.272	32.215 21.1985 21.270	5.7329 45.478 4.4672	1.2284 1.907188+04 1.3123	1.3061 1.1243 1.1243
18000.	17.545	62.566 62.226 2.206903+02	2.661731+07 400.191 416.560	5.879775+05 13.4644 13.954	35.210 21.9743 22.041	6.1944 46.398 4.6108	1.2841 2.019375+04 1.3527	1.3346 1.1212 1.1213
19000.	18.520	69.597 69.253 2.603537+02	.000000+00 447.470 464.803	.000000+00 14.1344 14.622	.000 22.6728 22.736	.0000 47.346 4.7563	.0000 2.131563+04 1.3965	.0000 1.1203 1.1205
20000.	19.495	77.007 76.659 3.049131+02	.000000+00 497.342 515.679	.000000+00 14.7761 15.261	.000 23.3246 23.386	.0000 48.323 4.9044	.0000 2.243750+04 1.4432	.0000 1.1206 1.1208
21000.	20.469	84.798 84.444 3.541013+02	.000000+00 549.781 569.163	.000000+00 15.3813 15.864	.000 23.9480 24.008	.0000 49.329 5.0563	.0000 2.355938+04 1.4927	.0000 1.1217 1.1219
22000.	21.444	92.969 92.607 4.081847+02	.000000+00 604.764 625.248	.000000+00 15.9415 16.421	.000 24.5592 24.619	.0000 50.363 5.2137	.0000 2.468125+04 1.5448	.0000 1.1238 1.1241
23000.	22.419	101.520 101.148 4.681469+02	.000000+00 662.265 683.866	.000000+00 16.4501 16.925	.000 25.1737 25.234	.0000 51.422 5.3772	.0000 2.580313+04 1.5993	.0000 1.1264 1.1268
24000.	23.393	110.450 110.067 5.341695+02	.000000+00 722.259 745.192	.000000+00 16.9003 17.374	.000 25.8070 25.869	.0000 52.506 5.5494	.0000 2.692500+04 1.6560	.0000 1.1301 1.1305
25000.	24.368	119.761 119.364 6.065885+02	.000000+00 784.703 809.097	.000000+00 17.2816 17.754	.000 26.4818 26.546	.0000 53.611 5.7323	.0000 2.804688+04 1.7146	.0000 1.1349 1.1353

ALTITUDE = 210000. FT.

P1 = 1.296397-04 ATM. , RH01 = 1.457122-04 AMA. , T1 = 243.17 K
 S1/R = 32.136 , A1 = 1025.93 FT./SEC. , H1/R = 851.096 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
26000.	25.343	129.452 129.037 6.850143+02	.000000+00 849.540 875.452	.000000+00 17.5811 18.050	.000 27.2277 27.297	.0000 54.734 5.9317	.0000 2.916875+04 1.7747	.0000 1.1417 1.1422
27000.	26.318	139.523 139.085 7.710212+02	.000000+00 916.662 944.356	.000000+00 17.7724 18.237	.000 28.1027 28.181	.0000 55.868 6.1571	.0000 3.029063+04 1.8353	.0000 1.1520 1.1527
28000.	27.292	149.974 149.504 8.651730+02	.000000+00 985.858 1015.574	.000000+00 17.8064 18.264	.000 29.2197 29.314	.0000 57.006 6.4318	.0000 3.141250+04 1.8946	.0000 1.1701 1.1713
29000.	28.267	160.805 160.288 9.696124+02	.000000+00 1056.619 1088.963	.000000+00 17.5822 18.028	.000 30.8354 30.964	.0000 58.133 6.8019	.0000 3.253438+04 1.9484	.0000 1.2041 1.2060
30000.	29.242	172.016 171.427 1.089022+03	.000000+00 1128.530 1164.153	.000000+00 17.0216 17.454	.000 33.3143 33.491	.0000 59.222 7.2462	.0000 3.365625+04 1.9892	.0000 1.2392 1.2395
31000.	30.216	183.607 182.932 1.214215+03	.000000+00 1202.283 1241.701	.000000+00 16.4434 16.884	.000 36.1730 36.356	.0000 60.254 7.5437	.0000 3.477813+04 2.0204	.0000 1.2198 1.2183
32000.	31.191	195.578 194.831 1.340506+03	.000000+00 1279.439 1322.299	.000000+00 16.1376 16.590	.000 38.5917 38.762	.0000 61.240 7.7648	.0000 3.590000+04 2.0538	.0000 1.1920 1.1910
33000.	32.166	207.930 207.125 1.468166+03	.000000+00 1359.993 1405.916	.000000+00 16.0310 16.490	.000 40.5507 40.710	.0000 62.200 7.9762	.0000 3.702188+04 2.0917	.0000 1.1754 1.1749
34000.	33.141	220.661 219.807 1.597972+03	.000000+00 1443.627 1492.355	.000000+00 16.0348 16.498	.000 42.1960 42.348	.0000 63.147 8.1841	.0000 3.814375+04 2.1335	.0000 1.1660 1.1658
35000.	34.115	233.772 232.874 1.730895+03	.000000+00 1530.141 1581.613	.000000+00 16.0992 16.565	.000 43.6299 43.778	.0000 64.087 8.3891	.0000 3.926563+04 2.1784	.0000 1.1605 1.1605
36000.	35.090	247.263 246.326 1.867280+03	.000000+00 1619.489 1673.567	.000000+00 16.1987 16.665	.000 44.9165 45.062	.0000 65.025 8.5925	.0000 4.038750+04 2.2259	.0000 1.1574 1.1575
37000.	36.065	261.135 260.158 2.004150+03	.000000+00 1711.436 1768.183	.000000+00 16.3157 16.783	.000 46.0958 46.240	.0000 65.964 8.7951	.0000 4.150938+04 2.2757	.0000 1.1558 1.1560
38000.	37.040	275.386 274.371 2.146730+03	.000000+00 1806.013 1865.387	.000000+00 16.4415 16.909	.000 47.1956 47.339	.0000 66.907 8.9971	.0000 4.263125+04 2.3277	.0000 1.1550 1.1553
39000.	38.014	290.017 288.965 2.289129+03	.000000+00 1903.188 1965.235	.000000+00 16.5698 17.036	.000 48.2350 48.379	.0000 67.854 9.2000	.0000 4.375313+04 2.3815	.0000 1.1550 1.1553

ALTITUDE = 210000. FT.

P1 = 1.296397-04 ATM. , RHO1 = 1.457122-04 AMA. , T1 = 243.17 K
 S1/R = 32.136 , A1 = 1025.93 FT./SEC. , H1/R = 851.096 K

UI	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 RCP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
40000.	38.989	305.029 303.938 2.437939+03	.000000+00 2002.938 2067.749	.000000+00 16.6967 17.163	.000 49.2281 49.373	.0000 68.807 9.4034	.0000 4.487500+04 2.4372	.0000 1.1553 1.1556
41000.	39.964	320.420 319.290 2.582070+03	.000000+00 2105.234 2172.843	.000000+00 16.8191 17.285	.000 50.1860 50.332	.0000 69.765 9.6090	.0000 4.599688+04 2.4945	.0000 1.1562 1.1565
42000.	40.938	336.192 335.022 2.731315+03	.000000+00 2210.069 2280.488	.000000+00 16.9346 17.400	.000 51.1176 51.266	.0000 70.729 9.8158	.0000 4.711875+04 2.5535	.0000 1.1572 1.1575
43000.	41.913	352.343 351.132 2.880686+03	.000000+00 2317.418 2390.730	.000000+00 17.0424 17.507	.000 52.0301 52.180	.0000 71.700 10.0258	.0000 4.824063+04 2.6140	.0000 1.1585 1.1589
44000.	42.888	368.875 367.621 3.033155+03	.000000+00 2427.261 2503.628	.000000+00 17.1403 17.604	.000 52.9298 53.082	.0000 72.678 10.2382	.0000 4.936250+04 2.6760	.0000 1.1601 1.1605
45000.	43.863	385.787 384.488 3.186913+03	.000000+00 2539.597 2618.919	.000000+00 17.2280 17.690	.000 53.8227 53.978	.0000 73.661 10.4545	.0000 5.048438+04 2.7394	.0000 1.1621 1.1624
46000.	44.837	403.078 401.733 3.341366+03	.000000+00 2654.392 2736.765	.000000+00 17.3044 17.765	.000 54.7141 54.873	.0000 74.651 10.6740	.0000 5.160625+04 2.8042	.0000 1.1639 1.1644
47000.	45.812	420.750 419.358 3.497089+03	.000000+00 2771.787 2857.223	.000000+00 17.3696 17.827	.000 55.6098 55.772	.0000 75.647 10.8975	.0000 5.272813+04 2.8702	.0000 1.1662 1.1666
48000.	46.787	438.802 437.359 3.652373+03	.000000+00 2891.467 2980.348	.000000+00 17.4209 17.878	.000 56.5154 56.682	.0000 76.648 11.1275	.0000 5.385000+04 2.9375	.0000 1.1690 1.1695
49000.	47.762	457.233 455.737 3.805444+03	.000000+00 3013.615 3106.147	.000000+00 17.4645 17.921	.000 57.4306 57.603	.0000 77.654 11.3608	.0000 5.497188+04 3.0054	.0000 1.1702 1.1724
50000.	48.736	476.045 474.491 3.920121+03	.000000+00 3138.025 3234.352	.000000+00 17.4821 17.938	.000 58.3807 58.559	.0000 78.665 11.6009	.0000 5.609375+04 3.0754	.0000 1.1753 1.1752

ALTITUDE = 220000. FT.

P1 = 8.431699-05 ATM. , RHO1 = 9.966607-05 AMA. , T1 = 231.23 K
 S1/R = 32.390 , A1 = 1000.42 FT./SEC. , H1/R = 809.291 K

UI	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 RGP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	5.998	8.194 7.989 6.028086+00	1.933967+03 42.887 47.308	2.611739+02 5.9263 6.396	7.396 7.2272 7.387	2.4033 36.101 2.3962	1.0001 4.798457+03 1.0002	1.2915 1.2891 1.2853
7000.	6.997	10.792 10.562 9.831966+00	5.741915+03 59.081 64.533	6.127005+02 6.5303 7.024	9.353 9.0017 9.134	2.6685 36.888 2.5878	1.0008 5.598200+03 1.0046	1.2582 1.2132 1.2070
8000.	7.997	13.789 13.560 1.491761+01	1.581503+04 78.591 84.793	1.389514+03 7.4717 7.982	11.313 10.2953 10.384	2.8925 37.683 2.7165	1.0049 6.397943+03 1.0219	1.2172 1.1519 1.1502
9000.	8.996	17.187 16.967 2.144116+01	4.139331+04 101.162 107.978	3.093762+03 8.5833 9.092	13.166 11.2265 11.295	3.1027 38.527 2.8511	1.0150 7.197686+03 1.0502	1.1914 1.1334 1.1333
10000.	9.996	20.983 20.770 2.956458+01	1.042151+05 126.516 133.923	6.731281+03 9.6873 10.187	15.004 12.0292 12.090	3.3304 39.433 2.9986	1.0306 7.997429+03 1.0861	1.1862 1.1320 1.1325
11000.	10.995	25.180 24.967 3.946762+01	2.525058+05 154.484 162.610	1.417313+04 10.6709 11.160	16.944 12.8483 12.912	3.5824 40.394 3.1714	1.0502 8.797172+03 1.1271	1.1928 1.1419 1.1430
12000.	11.995	29.776 29.553 5.145215+01	5.865583+05 184.819 193.878	2.861230+04 11.3636 11.835	19.092 13.9076 13.991	3.8672 41.392 3.4151	1.0725 9.596915+03 1.1695	1.2079 1.1761 1.1788
13000.	12.995	34.772 34.511 6.603542+01	1.299343+06 216.757 227.384	5.503931+04 11.3778 11.820	21.513 15.8577 16.002	4.1682 42.378 3.8181	1.0960 1.039666+04 1.2007	1.2186 1.2541 1.2547
14000.	13.994	40.167 39.857 8.353511+01	2.737823+06 250.911 263.357	1.005109+05 11.2350 11.702	24.266 18.3048 18.431	4.5301 43.294 4.0185	1.1212 1.119640+04 1.2196	1.2475 1.1914 1.1881
15000.	14.994	45.963 45.630 1.036609+02	5.483240+06 288.851 302.707	1.747612+05 11.6333 12.119	27.288 19.9293 20.025	4.8902 44.175 4.1550	1.1484 1.199614+04 1.2458	1.2620 1.1456 1.1445
16000.	15.993	52.157 51.817 1.266000+02	1.046392+07 330.070 345.005	2.909006+05 12.2532 12.744	30.443 21.0729 21.153	5.2624 45.061 4.2928	1.1802 1.279589+04 1.2784	1.2748 1.1275 1.1271
17000.	16.993	58.752 58.407 1.526948+02	1.909156+07 374.267 390.259	4.650330+05 12.9499 13.442	33.619 21.9775 22.049	5.6563 45.969 4.4349	1.2197 1.359563+04 1.3151	1.2904 1.1216 1.1217
18000.	17.993	65.746 65.398 1.821688+02	3.339303+07 421.271 438.209	7.143810+05 13.6504 14.140	36.763 22.7626 22.829	6.0918 46.904 4.5766	1.2699 1.439537+04 1.3559	1.3145 1.1190 1.1191
19000.	18.992	73.140 72.789 2.149517+02	5.614340+07 471.040 488.986	1.055204+06 14.3373 14.825	39.862 23.4703 23.533	6.5869 47.869 4.7198	1.3332 1.519511+04 1.3999	1.3502 1.1181 1.1183

ALTITUDE = 220000. FT.

P1 = 8.431699-05 ATM. , RH01 = 9.966607-05 AMA. , T1 = 231.23 K
 S1/R = 32.390 , A1 = 1000.42 FT./SEC. , H1/R = 809.291 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
20000.	19.992	80.934 80.578 2.515710+02	.000000+00 523.536 542.520	.000000+00 14.9954 15.480	.000 24.1308 24.192	.0000 48.864 4.8660	.0000 1.599486+04 1.4469	.0000 1.1185 1.1187
21000.	20.991	89.127 88.765 2.922163+02	.000000+00 578.730 598.818	.000000+00 15.6149 16.098	.000 24.7640 24.824	.0000 49.889 5.0158	.0000 1.679460+04 1.4967	.0000 1.1196 1.1198
22000.	21.991	97.720 97.350 3.369047+02	.000000+00 636.603 657.809	.000000+00 16.1894 16.669	.000 25.3848 25.444	.0000 50.942 5.1707	.0000 1.759434+04 1.5491	.0000 1.1215 1.1218
23000.	22.990	106.712 106.333 3.859482+02	.000000+00 697.126 719.506	.000000+00 16.7105 17.187	.000 26.0099 26.070	.0000 52.023 5.3323	.0000 1.839409+04 1.6039	.0000 1.1243 1.1246
24000.	23.990	116.104 115.714 4.399899+02	.000000+00 760.271 783.987	.000000+00 17.1717 17.646	.000 26.6555 26.717	.0000 53.129 5.5022	.0000 1.919383+04 1.6610	.0000 1.1279 1.1282
25000.	24.990	125.896 125.491 4.993307+02	.000000+00 825.996 851.204	.000000+00 17.5623 18.034	.000 27.3447 27.409	.0000 54.256 5.6835	.0000 1.999357+04 1.7199	.0000 1.1329 1.1333
26000.	25.989	136.088 135.664 5.644938+02	.000000+00 894.234 921.027	.000000+00 17.8667 18.335	.000 28.1119 28.181	.0000 55.402 5.8811	.0000 2.079332+04 1.7803	.0000 1.1396 1.1401
27000.	26.989	146.679 146.232 6.354375+02	.000000+00 964.868 993.556	.000000+00 18.0571 18.523	.000 29.0189 29.097	.0000 56.560 6.1068	.0000 2.159306+04 1.8412	.0000 1.1506 1.1512
28000.	27.988	157.670 157.190 7.145516+02	.000000+00 1037.659 1068.484	.000000+00 18.0781 18.536	.000 30.1942 30.290	.0000 57.720 6.3847	.0000 2.239280+04 1.9007	.0000 1.1698 1.1710
29000.	28.988	169.060 168.530 8.004635+02	.000000+00 1112.017 1145.599	.000000+00 17.8116 18.255	.000 31.9411 32.076	.0000 58.867 6.7700	.0000 2.319254+04 1.9540	.0000 1.2074 1.2093
30000.	29.988	180.850 180.242 8.996580+02	.000000+00 1187.432 1224.570	.000000+00 17.1835 17.615	.000 34.6517 34.836	.0000 59.972 7.2165	.0000 2.399229+04 1.9932	.0000 1.2406 1.2404
31000.	30.987	193.040 192.344 1.001843+03	.000000+00 1265.124 1306.165	.000000+00 16.6015 17.044	.000 37.6327 37.817	.0000 61.017 7.4921	.0000 2.479203+04 2.0241	.0000 1.2143 1.2128
32000.	31.987	205.630 204.862 1.105313+03	.000000+00 1346.473 1391.041	.000000+00 16.3202 16.775	.000 40.0731 40.242	.0000 62.016 7.7058	.0000 2.559177+04 2.0582	.0000 1.1864 1.1856
33000.	32.986	218.619 217.794 1.210226+03	.000000+00 1431.392 1479.049	.000000+00 16.2354 16.696	.000 42.0352 42.193	.0000 62.991 7.9128	.0000 2.639152+04 2.0970	.0000 1.1707 1.1703

ALTITUDE = 220000. FT.

P1 = 8.431699-05 ATM. , RHO1 = 9.966607-05 AMA. , T1 = 231.23 K
 S1/R = 32.390 , A1 = 1000.42 FT./SEC. , H1/R = 809.291 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
34000.	33.986	232.008 231.134 1.317658+03	.000000+00 1519.526 1570.042	.000000+00 16.2567 16.721	.000 43.6818 43.833	.0000 63.953 8.1164	.0000 2.719126+04 2.1396	.0000 1.1619 1.1617
35000.	34.985	245.796 244.879 1.428029+03	.000000+00 1610.677 1664.018	.000000+00 16.3361 16.803	.000 45.1178 45.264	.0000 64.910 8.3181	.0000 2.799100+04 2.1852	.0000 1.1568 1.1569
36000.	35.985	259.985 259.029 1.538780+03	.000000+00 1704.791 1760.830	.000000+00 16.4479 16.915	.000 46.4072 46.551	.0000 65.867 8.5178	.0000 2.879074+04 2.2335	.0000 1.1540 1.1541
37000.	36.985	274.572 273.578 1.653822+03	.000000+00 1801.629 1860.376	.000000+00 16.5759 17.044	.000 47.5901 47.733	.0000 66.826 8.7165	.0000 2.959049+04 2.2840	.0000 1.1524 1.1525
38000.	37.984	289.560 288.527 1.768227+03	.000000+00 1901.236 1962.672	.000000+00 16.7117 17.180	.000 48.6938 48.836	.0000 67.788 8.9154	.0000 3.039023+04 2.3365	.0000 1.1518 1.1520
39000.	38.984	304.947 303.876 1.887190+03	.000000+00 2003.576 2067.792	.000000+00 16.8492 17.317	.000 49.7375 49.880	.0000 68.756 9.1148	.0000 3.118997+04 2.3910	.0000 1.1518 1.1520
40000.	39.983	320.734 319.625 2.005383+03	.000000+00 2108.621 2175.679	.000000+00 16.9844 17.452	.000 50.7352 50.879	.0000 69.729 9.3153	.0000 3.198972+04 2.4473	.0000 1.1523 1.1526
41000.	40.983	336.921 335.773 2.128319+03	.000000+00 2216.357 2286.254	.000000+00 17.1145 17.582	.000 51.6980 51.843	.0000 70.710 9.5167	.0000 3.278946+04 2.5053	.0000 1.1529 1.1532
42000.	41.983	353.507 352.319 2.246352+03	.000000+00 2326.753 2399.531	.000000+00 17.2374 17.703	.000 52.6347 52.781	.0000 71.697 9.7211	.0000 3.358920+04 2.5649	.0000 1.1541 1.1545
43000.	42.982	370.493 369.264 2.366998+03	.000000+00 2439.795 2515.546	.000000+00 17.3514 17.817	.000 53.5527 53.701	.0000 72.691 9.9274	.0000 3.438894+04 2.6261	.0000 1.1555 1.1558
44000.	43.982	387.878 386.607 2.487712+03	.000000+00 2555.469 2634.238	.000000+00 17.4557 17.920	.000 54.4582 54.609	.0000 73.692 10.1363	.0000 3.518869+04 2.6887	.0000 1.1570 1.1573
45000.	44.981	405.663 404.348 2.608449+03	.000000+00 2673.755 2755.570	.000000+00 17.5490 18.011	.000 55.3570 55.510	.0000 74.700 10.3495	.0000 3.598843+04 2.7528	.0000 1.1589 1.1592
46000.	45.981	423.848 422.486 2.730095+03	.000000+00 2794.640 2879.559	.000000+00 17.6306 18.091	.000 56.2552 56.412	.0000 75.714 10.5655	.0000 3.678817+04 2.8182	.0000 1.1608 1.1612
47000.	46.980	442.433 441.021 2.850750+03	.000000+00 2918.102 3006.329	.000000+00 17.6995 18.158	.000 57.1581 57.318	.0000 76.735 10.7857	.0000 3.758792+04 2.8850	.0000 1.1631 1.1634

ALTITUDE = 220000. FT.

P1 = 8.431699-05 ATM. , RHO1 = 9.966607-05 AMA. , T1 = 231.23 K
 S1/R = 32.390 , A1 = 1000.42 FT./SEC. , H1/R = 809.291 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
48000.	47.980	461.417 459.954 2.970492+03	.000000+00 3044.122 3135.901	.000000+00 17.7551 18.213	.000 58.0717 58.236	.0000 77.762 11.0110	.0000 3.838766+04 2.9530	.0000 1.1657 1.1660
49000.	48.980	480.801 479.284 3.090895+03	.000000+00 3172.679 3268.127	.000000+00 17.7964 18.253	.000 59.0022 59.172	.0000 78.795 11.2423	.0000 3.918740+04 3.0221	.0000 1.1684 1.1689
50000.	49.979	500.585 499.010 3.208014+03	.000000+00 3303.775 3403.187	.000000+00 17.8256 18.280	.000 59.9533 60.132	.0000 79.832 11.4640	.0000 3.998714+04 3.0923	.0000 1.1692 1.1689

ALTITUDE = 230000. FT.

P1 = 5.362568-05 ATM. , RHO1 = 6.683705-05 AMA. , T1 = 219.29 K
 S1/R = 32.657 , A1 = 974.26 FT./SEC. , H1/R = 767.525 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
6000.	6.159	8.585 8.372 4.895788+00	2.272300+03 45.217 49.848	2.926525+02 5.9588 6.428	7.755 7.5783 7.744	2.3970 36.477 2.3890	1.0001 3.362960+03 1.0002	1.2919 1.2889 1.2849
7000.	7.185	11.325 11.086 8.002451+00	6.783237+03 62.315 68.031	6.894995+02 6.5735 7.070	9.818 9.4281 9.563	2.6618 37.270 2.5741	1.0008 3.923454+03 1.0050	1.2574 1.2084 1.2022
8000.	8.211	14.485 14.248 1.215492+01	1.876576+04 82.938 89.413	1.571175+03 7.5466 8.058	11.867 10.7431 10.831	2.8825 38.074 2.6994	1.0053 4.483947+03 1.0232	1.2146 1.1481 1.1465
9000.	9.238	18.067 17.841 1.748216+01	4.937498+04 106.779 113.869	3.520343+03 8.6869 9.196	13.789 11.6855 11.754	3.0896 38.931 2.8318	1.0160 5.044440+03 1.0523	1.1882 1.1306 1.1306
10000.	10.264	22.071 21.852 2.411853+01	1.250164+05 133.545 141.248	7.710859+03 9.8157 10.315	15.688 12.5010 12.563	3.3150 39.853 2.9772	1.0322 5.604934+03 1.0887	1.1834 1.1297 1.1302
11000.	11.291	26.496 26.278 3.220995+01	3.048612+05 163.064 171.510	1.635224+04 10.8183 11.307	17.695 13.3406 13.405	3.5647 40.831 3.1485	1.0523 6.165427+03 1.1301	1.1901 1.1401 1.1411
12000.	12.317	31.342 31.113 4.199787+01	7.129452+05 195.062 204.491	3.325041+04 11.5118 11.982	19.924 14.4493 14.535	3.8474 41.846 3.3954	1.0749 6.725920+03 1.1727	1.2054 1.1765 1.1794
13000.	13.343	36.610 36.339 5.395108+01	1.589588+06 228.664 239.794	6.434705+04 11.4646 11.906	22.457 16.5747 16.727	4.1483 42.847 3.8087	1.0987 7.286414+03 1.2026	1.2162 1.2577 1.2574
14000.	14.370	42.299 41.977 6.825574+01	3.370814+06 264.728 277.756	1.183960+05 11.3307 11.800	25.329 19.1241 19.251	4.5042 43.772 3.9924	1.1227 7.846907+03 1.2213	1.2441 1.1854 1.1823

ALTITUDE = 230000. FT.

P1 = 5.362568-05 ATM. , RHO1 = 6.683705-05 AMA. , T1 = 219.29 K
 S1/R = 32.657 , A1 = 974.26 FT./SEC. , H1/R = 767.525 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
15000.	15.396	48.409 48.066 8.466029+01	6.794072+06 304.832 319.289	2.073424+05 11.7639 12.252	28.501 20.7629 20.858	4.8568 44.663 4.1262	1.1483 8.407400+03 1.2479	1.2569 1.1415 1.1406
16000.	16.423	54.941 54.591 1.034408+02	1.305433+07 348.365 363.926	3.480978+05 12.4093 12.901	31.814 21.9168 21.997	5.2127 45.564 4.2637	1.1774 8.967894+03 1.2809	1.2650 1.1255 1.1251
17000.	17.449	61.895 61.541 1.246244+02	2.399355+07 395.024 411.631	5.620975+05 13.1275 13.620	35.147 22.8312 22.902	5.5877 46.486 4.4000	1.2130 9.528387+03 1.3181	1.2771 1.1182 1.1184
18000.	18.476	69.269 68.913 1.487897+02	4.234319+07 444.639 462.236	8.741484+05 13.8475 14.337	38.451 23.6263 23.692	5.9994 47.438 4.5411	1.2583 1.008888+04 1.3591	1.2973 1.1166 1.1167
19000.	19.502	77.066 76.706 1.756858+02	7.192533+07 497.168 515.831	1.309234+06 14.5526 15.041	41.715 24.3438 24.407	6.4642 48.421 4.6821	1.3154 1.064937+04 1.4035	1.3280 1.1159 1.1161
20000.	20.528	85.283 84.920 2.054406+02	.000000+00 552.571 572.271	.000000+00 15.2276 15.713	.000 25.0137 25.074	.0000 49.434 4.8261	.0000 1.120987+04 1.4507	.0000 1.1163 1.1165
21000.	21.555	93.922 93.553 2.386781+02	.000000+00 610.820 631.673	.000000+00 15.8628 16.346	.000 25.6578 25.717	.0000 50.479 4.9739	.0000 1.177036+04 1.5008	.0000 1.1175 1.1178
22000.	22.581	102.983 102.606 2.752235+02	.000000+00 671.893 693.856	.000000+00 16.4512 16.931	.000 26.2902 26.349	.0000 51.554 5.1266	.0000 1.233085+04 1.5535	.0000 1.1194 1.1196
23000.	23.608	112.465 112.078 3.153023+02	.000000+00 735.765 758.960	.000000+00 16.9861 17.462	.000 26.9262 26.986	.0000 52.657 5.2857	.0000 1.289135+04 1.6086	.0000 1.1220 1.1223
24000.	24.634	122.368 121.970 3.591717+02	.000000+00 802.403 826.966	.000000+00 17.4589 17.933	.000 27.5856 27.647	.0000 53.786 5.4535	.0000 1.345184+04 1.6660	.0000 1.1257 1.1260
25000.	25.661	132.693 132.280 4.072396+02	.000000+00 871.762 897.815	.000000+00 17.8591 18.330	.000 28.2908 28.355	.0000 54.937 5.6328	.0000 1.401233+04 1.7253	.0000 1.1306 1.1310
26000.	26.687	143.439 143.007 4.600769+02	.000000+00 943.770 971.564	.000000+00 18.1692 18.639	.000 29.0810 29.150	.0000 56.107 5.8295	.0000 1.457283+04 1.7860	.0000 1.1378 1.1382
27000.	27.713	154.606 154.150 5.180285+02	.000000+00 1018.300 1048.048	.000000+00 18.3595 18.825	.000 30.0222 30.101	.0000 57.289 6.0549	.0000 1.513332+04 1.8473	.0000 1.1491 1.1498
28000.	28.740	166.195 165.705 5.822293+02	.000000+00 1095.067 1127.083	.000000+00 18.3640 18.822	.000 31.2662 31.365	.0000 58.474 6.3375	.0000 1.569381+04 1.9069	.0000 1.1698 1.1710

ALTITUDE = 230000. FT.

P1 = 5.362568-05 ATM. , RHO1 = 6.683705-05 AMA. , T1 = 219.29 K
 S1/R = 32.657 , A1 = 974.26 FT./SEC. , H1/R = 767.525 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
29000.	29.766	178.205 177.661 6.534136+02	.000000+00 1173.390 1208.317	.000000+00 18.0470 18.489	.000 33.1686 33.311	.0000 59.643 6.7401	.0000 1.625431+04 1.9596	.0000 1.2117 1.2137
30000.	30.793	190.637 190.008 7.344834+02	.000000+00 1252.739 1291.494	.000000+00 17.3484 17.780	.000 36.1389 36.330	.0000 60.764 7.1828	.0000 1.681480+04 1.9970	.0000 1.2407 1.2401
31000.	31.819	203.490 202.771 8.173525+02	.000000+00 1334.786 1377.615	.000000+00 16.7711 17.216	.000 39.2302 39.414	.0000 61.821 7.4371	.0000 1.737529+04 2.0278	.0000 1.2082 1.2068
32000.	32.845	216.765 215.974 9.009020+02	.000000+00 1420.791 1467.228	.000000+00 16.5167 16.973	.000 41.6875 41.855	.0000 62.834 7.6442	.0000 1.793579+04 2.0628	.0000 1.1810 1.1802
33000.	33.872	230.461 229.614 9.860778+02	.000000+00 1510.551 1560.136	.000000+00 16.4551 16.917	.000 43.6524 43.809	.0000 63.825 7.8469	.0000 1.849628+04 2.1025	.0000 1.1661 1.1658
34000.	34.898	244.579 243.683 1.074312+03	.000000+00 1603.672 1656.203	.000000+00 16.4946 16.960	.000 45.3012 45.450	.0000 64.804 8.0468	.0000 1.905677+04 2.1459	.0000 1.1578 1.1577
35000.	35.925	259.117 258.181 1.164141+03	.000000+00 1700.047 1755.374	.000000+00 16.5899 17.057	.000 46.7407 46.886	.0000 65.780 8.2446	.0000 1.961727+04 2.1923	.0000 1.1532 1.1532
36000.	36.951	274.078 273.101 1.258206+03	.000000+00 1799.349 1857.527	.000000+00 16.7140 17.183	.000 48.0338 48.176	.0000 66.756 8.4407	.0000 2.017776+04 2.2412	.0000 1.1505 1.1507
37000.	37.978	289.459 288.444 1.351253+03	.000000+00 1901.618 1962.585	.000000+00 16.8535 17.323	.000 49.2210 49.362	.0000 67.735 8.6359	.0000 2.073825+04 2.2924	.0000 1.1491 1.1493
38000.	39.004	305.262 304.210 1.446973+03	.000000+00 2006.801 2070.587	.000000+00 16.9997 17.469	.000 50.3299 50.471	.0000 68.719 8.8310	.0000 2.129875+04 2.3456	.0000 1.1485 1.1487
39000.	40.030	321.487 320.397 1.542245+03	.000000+00 2114.865 2181.486	.000000+00 17.1469 17.616	.000 51.3788 51.520	.0000 69.708 9.0268	.0000 2.185924+04 2.4007	.0000 1.1486 1.1488
40000.	41.057	338.133 337.005 1.641062+03	.000000+00 2225.782 2295.266	.000000+00 17.2908 17.760	.000 52.3821 52.524	.0000 70.705 9.2238	.0000 2.241973+04 2.4577	.0000 1.1491 1.1493
41000.	42.083	355.200 354.033 1.737794+03	.000000+00 2339.528 2411.900	.000000+00 17.4289 17.897	.000 53.3507 53.494	.0000 71.708 9.4223	.0000 2.298023+04 2.5163	.0000 1.1499 1.1502
42000.	43.110	372.689 371.482 1.837731+03	.000000+00 2456.087 2531.420	.000000+00 17.5592 18.026	.000 54.2937 54.438	.0000 72.719 9.6223	.0000 2.354072+04 2.5765	.0000 1.1508 1.1511

ALTITUDE = 230000. FT.

P1 = 5.362568-05 ATM. , RHO1 = 6.683705-05 AMA. , T1 = 219.29 K
 S1/R = 32.657 , A1 = 974.26 FT./SEC. , H1/R = 767.525 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	RC/R1 RS/R1 RCP/R1	TO/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
43000.	44.136	390.599 389.351 1.934534+03	.000000+00 2575.442 2653.712	.000000+00 17.6806 18.146	.000 55.2178 55.364	.0000 73.738 9.8253	.0000 2.410121+04 2.6383	.0000 1.1521 1.1525
44000.	45.163	408.931 407.640 2.030387+03	.000000+00 2697.572 2778.956	.000000+00 17.7914 18.255	.000 56.1301 56.279	.0000 74.764 10.0312	.0000 2.466171+04 2.7016	.0000 1.1538 1.1541
45000.	46.189	427.684 426.349 2.126593+03	.000000+00 2822.462 2906.912	.000000+00 17.8906 18.353	.000 57.0364 57.188	.0000 75.798 10.2404	.0000 2.522220+04 2.7664	.0000 1.1556 1.1559
46000.	47.215	446.858 445.477 2.220077+03	.000000+00 2950.094 3037.713	.000000+00 17.9776 18.438	.000 57.9421 58.096	.0000 76.839 10.4528	.0000 2.578269+04 2.8325	.0000 1.1575 1.1578
47000.	48.242	466.454 465.024 2.312952+03	.000000+00 3080.451 3171.562	.000000+00 18.0518 18.511	.000 58.8535 59.011	.0000 77.887 10.6699	.0000 2.634319+04 2.9000	.0000 1.1597 1.1601
48000.	49.268	486.471 484.989 2.404240+03	.000000+00 3213.508 3308.126	.000000+00 18.1118 18.569	.000 59.7764 59.939	.0000 78.941 10.8922	.0000 2.690368+04 2.9687	.0000 1.1624 1.1627
49000.	50.295	506.910 505.373 2.492690+03	.000000+00 3349.243 3447.770	.000000+00 18.1569 18.614	.000 60.7175 60.884	.0000 80.001 11.1194	.0000 2.746417+04 3.0385	.0000 1.1650 1.1655
50000.	51.321	527.770 526.175 2.578527+03	.000000+00 3487.632 3589.705	.000000+00 18.1865 18.641	.000 61.6839 61.856	.0000 81.066 11.3533	.0000 2.802467+04 3.1095	.0000 1.1681 1.1686

ALTITUDE = 240000. FT.

P1 = 3.326850-05 ATM. , RHO1 = 4.384842-05 AMA. , T1 = 207.37 K
 S1/R = 32.939 , A1 = 947.41 FT./SEC. , H1/R = 725.798 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	RC/R1 RS/R1 RCP/R1	TO/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	6.333	9.022 8.798 3.932604+00	2.695116+03 47.810 52.679	3.300791+02 5.9915 6.460	8.155 7.9690 8.143	2.3906 36.874 2.3817	1.0000 2.312898+03 1.0002	1.2924 1.2886 1.2844
7000.	7.389	11.918 11.669 6.441648+00	8.089728+03 65.921 71.925	7.810864+02 6.6197 7.118	10.336 9.8993 10.037	2.6547 37.674 2.5595	1.0009 2.698381+03 1.0055	1.2563 1.2032 1.1970
8000.	8.444	15.261 15.015 9.795212+00	2.248354+04 87.789 94.565	1.789034+03 7.6273 8.140	12.482 11.2356 11.324	2.8718 38.487 2.6815	1.0057 3.083864+03 1.0246	1.2116 1.1442 1.1428
9000.	9.500	19.049 18.815 1.409826+01	5.948396+04 113.043 120.444	4.035382+03 8.7978 9.307	14.477 12.1904 12.259	3.0758 39.358 2.8117	1.0170 3.469347+03 1.0544	1.1850 1.1278 1.1278

ALTITUDE = 240000. FT.

P1 = 3.326850-05 ATM. , RHO1 = 4.384842-05 AMA. , T1 = 207.37 K
 S1/R = 32.939 , A1 = 947.41 FT./SEC. , H1/R = 725.798 K

UI	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
10000.	10.555	23.282 23.057 1.946076+01	1.515326+05 141.383 149.424	8.902618+03 9.9523 10.453	16.442 13.0209 13.083	3.2989 40.297 2.9550	1.0340 3.854830+03 1.0914	1.1805 1.1272 1.1277
11000.	11.611	27.961 27.737 2.599886+01	3.720797+05 172.630 181.431	1.902388+04 10.9747 11.464	18.523 13.8831 13.948	3.5465 41.293 3.1249	1.0547 4.240313+03 1.1333	1.1873 1.1381 1.1392
12000.	12.666	33.086 32.851 3.390166+01	8.761608+05 206.478 216.318	3.896957+04 11.6667 12.136	20.838 15.0498 15.139	3.8270 42.327 3.3759	1.0777 4.625796+03 1.1760	1.2027 1.1775 1.1805
13000.	13.722	38.657 38.375 4.359496+01	1.967371+06 241.923 253.602	7.592966+04 11.5502 11.990	23.490 17.3793 17.540	4.1328 43.343 3.7982	1.1017 5.011279+03 1.2044	1.2171 1.2606 1.2593
14000.	14.777	44.673 44.339 5.516071+01	4.198752+06 280.135 293.820	1.406859+05 11.4340 11.907	26.497 20.0270 20.154	4.4794 44.277 3.9651	1.1250 5.396762+03 1.2229	1.2412 1.1793 1.1763
15000.	15.833	51.135 50.781 6.835943+01	8.517487+06 322.649 337.726	2.481095+05 11.9033 12.391	29.836 21.6805 21.775	4.8245 45.180 4.0962	1.1492 5.782245+03 1.2501	1.2518 1.1374 1.1366
16000.	16.888	58.042 57.681 8.356383+01	1.646744+07 368.761 385.001	4.197649+05 12.5755 13.068	33.321 22.8458 22.925	5.1660 46.095 4.2322	1.1759 6.167728+03 1.2836	1.2560 1.1227 1.1225
17000.	17.944	65.395 65.032 1.006584+02	3.050112+07 418.152 435.417	6.847615+05 13.3114 13.804	36.822 23.7759 23.846	5.5235 47.034 4.3656	1.2082 6.553211+03 1.3212	1.2646 1.1155 1.1155
18000.	18.999	73.194 72.829 1.201023+02	5.428435+07 470.689 489.022	1.077408+06 14.0571 14.547	40.295 24.5768 24.643	5.9121 48.003 4.5043	1.2489 6.938694+03 1.3625	1.2809 1.1141 1.1143
19000.	20.055	81.439 81.070 1.419011+02	9.311168+07 526.291 545.698	1.635386+06 14.7810 15.269	43.733 25.3056 25.368	6.3481 49.005 4.6432	1.3003 7.324177+03 1.4071	1.3068 1.1136 1.1138
20000.	21.110	90.129 89.756 1.660409+02	1.539349+08 584.933 605.442	2.390999+06 15.4736 15.960	47.139 25.9871 26.048	6.8413 50.039 4.7848	1.3642 7.709660+03 1.4546	1.3422 1.1141 1.1143
21000.	22.166	99.264 98.886 1.927249+02	.000000+00 646.587 668.230	.000000+00 16.1260 16.609	.000 26.6414 26.701	.00000 51.105 4.9304	.0000 8.095143+03 1.5050	.0000 1.1153 1.1155
22000.	23.221	108.846 108.460 2.222811+02	.000000+00 711.227 734.043	.000000+00 16.7296 17.209	.000 27.2864 27.346	.0000 52.202 5.0810	.0000 8.480626+03 1.5580	.0000 1.1172 1.1174
23000.	24.277	118.873 118.478 2.546996+02	.000000+00 778.829 802.897	.000000+00 17.2783 17.754	.000 27.9365 27.996	.0000 53.328 5.2379	.0000 8.866108+03 1.6134	.0000 1.1199 1.1201

ALTITUDE = 240000. FT.

P1 = 3.326850-05 ATM. , RHO1 = 4.384842-05 AMA. , T1 = 207.37 K
 S1/R = 32.939 , A1 = 947.41 FT./SEC. , H1/R = 725.798 K

UI	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
24000.	25.332	129.345 128.939 2.901936+02	.000000+00 849.359 874.879	.000000+00 17.7638 18.238	.000 28.6098 28.671	.00000 54.481 5.4032	.0000 9.251591+03 1.6711	.0000 1.1233 1.1236
25000.	26.388	140.264 139.842 3.288500+02	.000000+00 922.769 949.835	.000000+00 18.1740 18.646	.000 29.3338 29.398	.00000 55.658 5.5805	.0000 9.637075+03 1.7308	.0000 1.1283 1.1287
26000.	27.443	151.627 151.187 3.711677+02	.000000+00 998.981 1027.860	.000000+00 18.4910 18.961	.000 30.1474 30.217	.00000 56.854 5.7756	.0000 1.002256+04 1.7919	.0000 1.1356 1.1361
27000.	28.499	163.437 162.971 4.179040+02	.000000+00 1077.846 1108.776	.000000+00 18.6793 19.146	.000 31.1298 31.209	.00000 58.062 6.0009	.0000 1.040804+04 1.8534	.0000 1.1474 1.1481
28000.	29.554	175.692 175.191 4.694928+02	.000000+00 1159.043 1192.363	.000000+00 18.6660 19.123	.000 32.4501 32.552	.00000 59.273 6.2892	.0000 1.079352+04 1.9132	.0000 1.1700 1.1712
29000.	30.610	188.393 187.832 5.277460+02	.000000+00 1241.761 1278.169	.000000+00 18.2888 18.728	.000 34.5391 34.690	.00000 60.464 6.7121	.0000 1.117901+04 1.9650	.0000 1.2166 1.2188
30000.	31.665	201.540 200.887 5.929017+02	.000000+00 1325.495 1366.080	.000000+00 17.5174 17.949	.000 37.7974 37.994	.00000 61.601 7.1449	.0000 1.156449+04 2.0007	.0000 1.2396 1.2384
31000.	32.721	215.132 214.388 6.595590+02	.000000+00 1412.439 1457.232	.000000+00 16.9542 17.401	.000 40.9852 41.169	.00000 62.671 7.3786	.0000 1.194997+04 2.0318	.0000 1.2017 1.2003
32000.	33.776	229.169 228.354 7.260508+02	.000000+00 1503.647 1552.135	.000000+00 16.7297 17.188	.000 43.4555 43.622	.00000 63.699 7.5797	.0000 1.233546+04 2.0677	.0000 1.1752 1.1746
33000.	34.832	243.653 242.782 7.933051+02	.000000+00 1598.799 1650.507	.000000+00 16.6917 17.156	.000 45.4234 45.578	.00000 64.707 7.7782	.0000 1.272094+04 2.1083	.0000 1.1613 1.1610
34000.	35.887	258.582 257.664 8.618647+02	.000000+00 1697.479 1752.210	.000000+00 16.7501 17.217	.000 47.0756 47.224	.00000 65.705 7.9744	.0000 1.310642+04 2.1525	.0000 1.1537 1.1537
35000.	36.943	273.957 272.998 9.330883+02	.000000+00 1799.577 1857.180	.000000+00 16.8610 17.330	.000 48.5193 48.663	.00000 66.700 8.1682	.0000 1.349190+04 2.1996	.0000 1.1494 1.1494
36000.	37.998	289.777 288.779 1.005739+03	.000000+00 1904.762 1965.294	.000000+00 16.9986 17.469	.000 49.8177 49.959	.00000 67.697 8.3602	.0000 1.387739+04 2.2492	.0000 1.1469 1.1470
37000.	39.054	306.043 305.007 1.080757+03	.000000+00 2013.074 2076.449	.000000+00 17.1501 17.620	.000 51.0109 51.151	.00000 68.698 8.5518	.0000 1.426287+04 2.3011	.0000 1.1457 1.1459

ALTITUDE = 240000. FT.

P1 = 3.326850-05 ATM. , RHO1 = 4.384842-05 AMA. , T1 = 207.37 K
 S1/R = 32.939 , A1 = 947.41 FT./SEC. , H1/R = 725.798 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
38000.	40.110	322.755 321.681 1.157357+03	.000000+00 2124.468 2190.728	.000000+00 17.3072 17.778	.000 52.1257 52.265	.0000 69.704 8.7432	.0000 1.464835+04 2.3549	.0000 1.1451 1.1453
39000.	41.165	339.912 338.800 1.236828+03	.000000+00 2238.907 2308.101	.000000+00 17.4644 17.935	.000 53.1812 53.321	.0000 70.717 8.9355	.0000 1.503384+04 2.4107	.0000 1.1453 1.1455
40000.	42.221	357.515 356.366 1.316266+03	.000000+00 2356.366 2428.493	.000000+00 17.6178 18.087	.000 54.1913 54.332	.0000 71.738 9.1290	.0000 1.541932+04 2.4682	.0000 1.1457 1.1460
41000.	43.276	375.563 374.376 1.399152+03	.000000+00 2476.819 2551.881	.000000+00 17.7647 18.233	.000 55.1671 55.308	.0000 72.766 9.3238	.0000 1.580480+04 2.5275	.0000 1.1465 1.1468
42000.	44.332	394.058 392.830 1.481059+03	.000000+00 2600.246 2678.324	.000000+00 17.9030 18.370	.000 56.1170 56.260	.0000 73.803 9.5211	.0000 1.619028+04 2.5884	.0000 1.1477 1.1480
43000.	45.387	412.997 411.729 1.564367+03	.000000+00 2726.632 2807.719	.000000+00 18.0316 18.497	.000 57.0489 57.193	.0000 74.848 9.7203	.0000 1.657577+04 2.6508	.0000 1.1490 1.1492
44000.	46.443	432.383 431.072 1.647602+03	.000000+00 2855.958 2940.156	.000000+00 18.1493 18.613	.000 57.9689 58.115	.0000 75.901 9.9217	.0000 1.696125+04 2.7148	.0000 1.1503 1.1506
45000.	47.498	452.214 450.858 1.724063+03	.000000+00 2988.210 3075.575	.000000+00 18.2553 18.717	.000 58.8834 59.032	.0000 76.962 10.1280	.0000 1.734673+04 2.7802	.0000 1.1522 1.1525
46000.	48.554	472.491 471.088 1.798617+03	.000000+00 3123.363 3214.069	.000000+00 18.3482 18.809	.000 59.7985 59.950	.0000 78.031 10.3367	.0000 1.773222+04 2.8470	.0000 1.1540 1.1544
47000.	49.609	493.213 491.762 1.870250+03	.000000+00 3261.399 3355.639	.000000+00 18.4275 18.887	.000 60.7195 60.875	.0000 79.107 10.5502	.0000 1.811770+04 2.9151	.0000 1.1563 1.1566
48000.	50.665	514.381 512.878 1.938527+03	.000000+00 3402.304 3500.234	.000000+00 18.4927 18.951	.000 61.6530 61.812	.0000 80.191 10.7682	.0000 1.850318+04 2.9845	.0000 1.1587 1.1591
49000.	51.720	535.995 534.437 2.003530+03	.000000+00 3546.042 3647.849	.000000+00 18.5421 18.999	.000 62.6059 62.770	.0000 81.280 10.9928	.0000 1.888867+04 3.0551	.0000 1.1616 1.1620
50000.	52.776	558.054 556.438 2.065113+03	.000000+00 3692.587 3798.275	.000000+00 18.5748 19.030	.000 63.5863 63.756	.0000 82.376 11.2229	.0000 1.927415+04 3.1268	.0000 1.1647 1.1651

ALTITUDE = 250000. FT.

P1 = 2.007372-05 ATM. , RHO1 = 2.806970-05 AMA. , T1 = 195.46 K
 S1/R = 33.238 , A1 = 919.80 FT./SEC. , H1/R = 684.112 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	RG/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	6.523	9.510 9.276 3.120237+00	3.232665+03 50.717 55.852	3.752821+02 6.0247 6.494	8.603 8.4067 8.588	2.3843 37.296 2.3741	1.0000 1.557642+03 1.0002	1.2928 1.2881 1.2837
7000.	7.610	12.584 12.323 5.121747+00	9.757421+03 69.969 76.292	8.920531+02 6.6697 7.171	10.915 10.4228 10.562	2.6474 38.103 2.5439	1.0009 1.817249+03 1.0061	1.2551 1.1976 1.1915
8000.	8.698	16.130 15.875 7.796927+00	2.724925+04 93.235 100.342	2.054502+03 7.7147 8.229	13.166 11.7802 11.869	2.8604 38.927 2.6628	1.0061 2.076856+03 1.0262	1.2084 1.1403 1.1390
9000.	9.785	20.148 19.907 1.122997+01	7.251045+04 120.074 127.814	4.666980+03 8.9165 9.426	15.241 12.7489 12.818	3.0614 39.812 2.7907	1.0182 2.336463+03 1.0567	1.1816 1.1250 1.1250
10000.	10.872	24.640 24.408 1.550983+01	1.859747+05 150.179 158.586	1.037801+04 10.0988 10.599	17.278 13.5948 13.658	3.2822 40.768 2.9318	1.0359 2.596070+03 1.0942	1.1775 1.1248 1.1253
11000.	11.959	29.604 29.374 2.072780+01	4.599825+05 183.363 192.542	2.235477+04 11.1422 11.630	19.439 14.4826 14.549	3.5274 41.784 3.1004	1.0573 2.855677+03 1.1365	1.1845 1.1363 1.1374
12000.	13.046	35.042 34.798 2.702975+01	1.091285+06 219.280 229.555	4.615514+04 11.8296 12.297	21.850 15.7183 15.812	3.8061 42.839 3.3565	1.0808 3.115284+03 1.1792	1.2001 1.1788 1.1822
13000.	14.134	40.952 40.656 3.479153+01	2.468382+06 256.779 269.039	9.060022+04 11.6343 12.072	24.626 18.2875 18.456	4.1185 43.869 3.7858	1.1050 3.374891+03 1.2060	1.2195 1.2620 1.2598
14000.	15.221	47.334 46.986 4.403829+01	5.303117+06 297.419 311.799	1.689643+05 11.5456 12.020	27.792 21.0279 21.155	4.4548 44.812 3.9364	1.1280 3.634498+03 1.2246	1.2386 1.1730 1.1701
15000.	16.308	54.190 53.823 5.457833+01	1.082648+07 342.637 358.406	2.999824+05 12.0525 12.541	31.316 22.6969 22.791	4.7933 45.729 4.0653	1.1511 3.894105+03 1.2524	1.2470 1.1335 1.1327
16000.	17.395	61.518 61.146 6.669687+01	2.106331+07 391.641 408.631	5.113654+05 12.7535 13.247	34.988 23.8739 23.953	5.1236 46.659 4.1988	1.1759 4.153713+03 1.2863	1.2484 1.1197 1.1195
17000.	18.482	69.319 68.945 8.034949+01	3.929006+07 444.102 462.183	8.419896+05 13.5108 14.004	38.671 24.8187 24.890	5.4640 47.615 4.3313	1.2052 4.413320+03 1.3244	1.2533 1.1135 1.1134
18000.	19.570	77.593 77.218 9.567396+01	7.049456+07 499.907 519.052	1.339648+06 14.2805 14.772	42.322 25.6294 25.695	5.8325 48.603 4.4648	1.2419 4.672926+03 1.3659	1.2663 1.1111 1.1113
19000.	20.657	86.340 85.962 1.131132+02	1.220734+08 558.955 579.216	2.060253+06 15.0242 15.513	45.947 26.3707 26.434	6.2422 49.625 4.6028	1.2880 4.932534+03 1.4108	1.2882 1.1114 1.1115

ALTITUDE = 250000. FT.

P1 = 2.007372-05 ATM. , RHQ1 = 2.806970-05 AMA. , T1 = 195.46 K
 S1/R = 33.238 , A1 = 919.80 FT./SEC. , H1/R = 684.112 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
20000.	21.744	95.560 95.178 1.324346+02	2.040540+08 621.229 642.616	3.056852+06 15.7361 16.222	49.551 27.0643 27.125	6.7046 50.680 4.7421	1.3455 5.192141+03 1.4586	1.3191 1.1118 1.1119
21000.	22.831	105.252 104.865 1.537408+02	3.294106+08 686.699 709.235	4.374449+06 16.4057 16.889	53.134 27.7317 27.791	7.2185 51.769 4.8854	1.4156 5.451748+03 1.5093	1.3553 1.1130 1.1132
22000.	23.918	115.417 115.023 1.772418+02	.000000+00 755.340 779.080	.000000+00 17.0262 17.505	.000 28.3893 28.448	.0000 52.890 5.0337	.0000 5.711355+03 1.5626	.0000 1.1150 1.1152
23000.	25.006	126.055 125.651 2.031363+02	.000000+00 827.125 852.196	.000000+00 17.5899 18.066	.000 29.0544 29.114	.0000 54.041 5.1883	.0000 5.970962+03 1.6183	.0000 1.1176 1.1178
24000.	26.093	137.166 136.750 2.314925+02	.000000+00 902.018 928.578	.000000+00 18.0883 18.562	.000 29.7450 29.806	.0000 55.220 5.3513	.0000 6.230569+03 1.6763	.0000 1.1210 1.1213
25000.	27.180	148.750 148.318 2.625220+02	.000000+00 979.970 1008.186	.000000+00 18.5095 18.982	.000 30.4884 30.553	.0000 56.423 5.5264	.0000 6.490176+03 1.7363	.0000 1.1260 1.1263
26000.	28.267	160.806 160.355 2.961188+02	.000000+00 1060.893 1090.988	.000000+00 18.8330 19.304	.000 31.3304 31.400	.0000 57.647 5.7197	.0000 6.749783+03 1.7978	.0000 1.1334 1.1339
27000.	29.354	173.335 172.859 3.330659+02	.000000+00 1144.623 1176.855	.000000+00 19.0203 19.487	.000 32.3557 32.437	.0000 58.883 5.9456	.0000 7.009390+03 1.8596	.0000 1.1458 1.1465
28000.	30.442	186.337 185.823 3.742381+02	.000000+00 1230.780 1265.520	.000000+00 18.9854 19.442	.000 33.7662 33.871	.0000 60.120 6.2402	.0000 7.268997+03 1.9195	.0000 1.1704 1.1718
29000.	31.529	199.812 199.233 4.212329+02	.000000+00 1318.391 1356.474	.000000+00 18.5355 18.971	.000 36.0828 36.244	.0000 61.335 6.6867	.0000 7.528604+03 1.9704	.0000 1.2227 1.2249
30000.	32.616	213.760 213.081 4.729863+02	.000000+00 1407.061 1449.667	.000000+00 17.6931 18.125	.000 39.6529 39.855	.0000 62.488 7.1014	.0000 7.788211+03 2.0044	.0000 1.2367 1.2351
31000.	33.703	228.180 227.409 5.257465+02	.000000+00 1499.540 1546.508	.000000+00 17.1530 17.602	.000 42.9216 43.105	.0000 63.573 7.3164	.0000 8.047818+03 2.0358	.0000 1.1949 1.1935
32000.	34.790	243.073 242.232 5.781153+02	.000000+00 1596.591 1647.336	.000000+00 16.9605 17.420	.000 45.4019 45.567	.0000 64.617 7.5125	.0000 8.307425+03 2.0728	.0000 1.1696 1.1690
33000.	35.878	258.439 257.543 6.308150+02	.000000+00 1697.789 1751.821	.000000+00 16.9469 17.412	.000 47.3737 47.527	.0000 65.643 7.7065	.0000 8.567032+03 2.1143	.0000 1.1566 1.1563

ALTITUDE = 250000. FT.

P1 = 2.007372-05 ATM. , RHQ1 = 2.806970-05 AMA. , T1 = 195.46 K
 S1/R = 33.238 , A1 = 919.80 FT./SEC. , H1/R = 684.112 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
34000.	36.965	274.278 273.335 6.849979+02	.000000+00 1802.699 1859.858	.000000+00 17.0249 17.494	.000 49.0306 49.177	.0000 66.661 7.8986	.0000 8.826639+03 2.1593	.0000 1.1496 1.1495
35000.	38.052	290.589 289.607 7.404974+02	.000000+00 1911.208 1971.301	.000000+00 17.1518 17.622	.000 50.4804 50.623	.0000 67.678 8.0881	.0000 9.086246+03 2.2072	.0000 1.1454 1.1454
36000.	39.139	307.374 306.352 7.969636+02	.000000+00 2022.987 2086.094	.000000+00 17.3036 17.775	.000 51.7855 51.925	.0000 68.697 8.2767	.0000 9.345853+03 2.2575	.0000 1.1432 1.1433
37000.	40.226	324.631 323.571 8.550344+02	.000000+00 2138.081 2204.115	.000000+00 17.4680 17.939	.000 52.9861 53.125	.0000 69.721 8.4648	.0000 9.605460+03 2.3100	.0000 1.1422 1.1423
38000.	41.313	342.361 341.264 9.144113+02	.000000+00 2256.438 2325.433	.000000+00 17.6365 18.108	.000 54.1087 54.247	.0000 70.752 8.6524	.0000 9.865067+03 2.3645	.0000 1.1417 1.1419
39000.	42.401	360.564 359.429 9.746077+02	.000000+00 2378.029 2450.014	.000000+00 17.8045 18.276	.000 55.1719 55.310	.0000 71.790 8.8407	.0000 1.012467+04 2.4209	.0000 1.1418 1.1420
40000.	43.488	379.239 378.067 1.037492+03	.000000+00 2502.820 2577.821	.000000+00 17.9677 18.438	.000 56.1903 56.329	.0000 72.836 9.0309	.0000 1.038428+04 2.4791	.0000 1.1424 1.1426
41000.	44.575	398.388 397.177 1.099422+03	.000000+00 2630.791 2708.773	.000000+00 18.1237 18.593	.000 57.1742 57.314	.0000 73.891 9.2218	.0000 1.064389+04 2.5389	.0000 1.1431 1.1434
42000.	45.662	418.009 416.758 1.163554+03	.000000+00 2761.923 2843.012	.000000+00 18.2710 18.739	.000 58.1329 58.274	.0000 74.955 9.4152	.0000 1.090350+04 2.6005	.0000 1.1443 1.1445
43000.	46.749	438.103 436.811 1.228697+03	.000000+00 2896.194 2980.386	.000000+00 18.4075 18.874	.000 59.0735 59.216	.0000 76.028 9.6110	.0000 1.116310+04 2.6635	.0000 1.1455 1.1458
44000.	47.837	458.669 457.335 1.293653+03	.000000+00 3033.590 3120.949	.000000+00 18.5327 18.997	.000 60.0029 60.147	.0000 77.110 9.8094	.0000 1.142271+04 2.7282	.0000 1.1469 1.1473
45000.	48.924	479.709 478.330 1.359580+03	.000000+00 3174.090 3264.751	.000000+00 18.6453 19.108	.000 60.9272 61.074	.0000 78.200 10.0110	.0000 1.168232+04 2.7942	.0000 1.1487 1.1490
46000.	50.011	501.221 499.796 1.423369+03	.000000+00 3317.680 3411.804	.000000+00 18.7449 19.206	.000 61.8523 62.002	.0000 79.299 10.2165	.0000 1.194192+04 2.8617	.0000 1.1506 1.1509
47000.	51.098	523.207 521.732 1.484707+03	.000000+00 3464.334 3562.189	.000000+00 18.8301 19.290	.000 62.7847 62.938	.0000 80.406 10.4263	.0000 1.220153+04 2.9305	.0000 1.1528 1.1531

ALTIMUDE = 250000. FT.

P1 = 2.007372-05 ATM. , RHO1 = 2.806970-05 AMA. , T1 = 195.46 K
S1/R = 33.238 , A1 = 919.80 FT./SEC. , H1/R = 684.112 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
48000.	52.185	545.665 544.138 1.543948+03	.000000+00 3614.029 3715.611	.000000+00 18.9001 19.359	.000 63.7306 63.887	.0000 81.520 10.6411	.0000 1.246114+04 3.0006	.0000 1.1553 1.1556
49000.	53.273	568.595 567.014 1.599067+03	.000000+00 3766.744 3872.297	.000000+00 18.9543 19.412	.000 64.6972 64.859	.0000 82.642 10.8605	.0000 1.272074+04 3.0720	.0000 1.1578 1.1582
50000.	54.360	591.999 590.358 1.648623+03	.000000+00 3922.441 4032.001	.000000+00 18.9910 19.447	.000 65.6929 65.860	.0000 83.770 11.0873	.0000 1.298035+04 3.1444	.0000 1.1610 1.1614

ALTIMUDE = 260000. FT.

P1 = 1.173957-05 ATM. , RHO1 = 1.747994-05 AMA. , T1 = 183.56 K
S1/R = 33.555 , A1 = 891.36 FT./SEC. , H1/R = 642.464 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	6.731	10.062 9.815 2.441638+00	3.927197+03 53.999 59.435	4.305914+02 6.0587 6.528	9.109 8.9003 9.091	2.3780 37.746 2.3661	1.0000 1.024578+03 1.0003	1.2932 1.2874 1.2826
7000.	7.853	13.334 13.062 4.016215+00	1.192087+04 74.544 81.221	1.028278+03 6.7242 7.227	11.567 11.0078 11.148	2.6397 38.560 2.5272	1.0010 1.195341+03 1.0068	1.2537 1.1914 1.1854
8000.	8.975	17.110 16.846 6.120883+00	3.345925+04 99.391 106.869	2.382419+03 7.8090 8.325	13.934 12.3865 12.475	2.8483 39.395 2.6432	1.0067 1.366104+03 1.0278	1.2049 1.1363 1.1351
9000.	10.097	21.390 21.140 8.822099+00	8.958817+04 128.019 136.137	5.453062+03 9.0441 9.554	16.094 13.3705 13.439	3.0463 40.297 2.7688	1.0196 1.536867+03 1.0590	1.1782 1.1222 1.1222
10000.	11.219	26.172 25.933 1.219087+01	2.314888+05 160.116 168.931	1.223117+04 10.2555 10.757	18.211 14.2349 14.298	3.2645 41.271 2.9077	1.0380 1.707630+03 1.0971	1.1745 1.1224 1.1229
11000.	12.341	31.459 31.221 1.629877+01	5.771010+05 195.485 205.105	2.657440+04 11.3199 11.809	20.460 15.1531 15.220	3.5077 42.308 3.0749	1.0602 1.878393+03 1.1398	1.1818 1.1344 1.1355
12000.	13.463	37.248 36.996 2.125545+01	1.380088+06 233.734 244.513	5.532538+04 11.9994 12.465	22.978 16.4702 16.568	3.7846 43.384 3.3376	1.0843 2.049156+03 1.1825	1.1976 1.1809 1.1845
13000.	14.584	43.541 43.232 2.738697+01	3.144985+06 273.543 286.483	1.094186+05 11.7180 12.155	25.892 19.3175 19.494	4.0986 44.429 3.7704	1.1088 2.219919+03 1.2075	1.2190 1.2615 1.2582
14000.	15.706	50.338 49.975 3.466630+01	6.803076+06 316.945 332.072	2.053879+05 11.6665 12.143	29.236 22.1441 22.271	4.4310 45.382 3.9962	1.1316 2.390682+03 1.2264	1.2364 1.1663 1.1637

ALTITUDE = 260000. FT.

P1 = 1.173957-05 ATM. , RH01 = 1.747994-05 AMA. , T1 = 183.56 K
 S1/R = 33.555 , A1 = 891.36 FT./SEC. , H1/R = 642.464 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
15000.	16.828	57.638 57.258 4.299061+01	1.397607+07 365.218 381.839	3.669808+05 12.2138 12.705	32.968 23.8281 23.923	4.7630 46.312 4.0330	1.1538 2.561446+03 1.2548	1.2425 1.1294 1.1288
16000.	17.950	65.441 65.057 5.250900+01	2.736452+07 417.487 435.317	6.302167+05 12.9444 13.439	36.847 25.0189 25.099	5.0833 47.259 4.1640	1.1770 2.732209+03 1.2891	1.2413 1.1166 1.1165
17000.	19.072	73.748 73.362 6.331460+01	5.139633+07 473.420 492.372	1.046974+06 13.7268 14.220	40.726 25.9783 26.049	5.4074 48.234 4.2953	1.2039 2.902972+03 1.3276	1.2423 1.1113 1.1114
18000.	20.194	82.559 82.171 7.538746+01	9.295737+07 532.893 552.912	1.683965+06 14.5140 15.005	44.569 26.8075 26.873	5.7566 49.242 4.4254	1.2371 3.073735+03 1.3695	1.2521 1.1085 1.1086
19000.	21.316	91.872 91.483 8.895968+01	1.624341+08 595.848 617.080	2.622240+06 15.2850 15.775	48.392 27.5571 27.620	6.1410 50.285 4.5602	1.2785 3.244498+03 1.4146	1.2698 1.1086 1.1089
20000.	22.438	101.690 101.297 1.041420+02	2.744219+08 662.220 684.577	3.946856+06 16.0162 16.503	52.207 28.2653 28.326	6.5739 51.364 4.6977	1.3302 3.415261+03 1.4627	1.2964 1.1094 1.1096
21000.	23.560	112.010 111.612 1.209155+02	4.482346+08 731.998 755.563	5.735307+06 16.7050 17.188	56.022 28.9465 29.006	7.0609 52.477 4.8386	1.3934 3.586024+03 1.5137	1.3306 1.1107 1.1109
22000.	24.681	122.834 122.429 1.393677+02	.000000+00 805.156 829.941	.000000+00 17.3432 17.822	.000 29.6189 29.678	.0000 53.623 4.9845	.0000 3.756787+03 1.5672	.0000 1.1126 1.1128
23000.	25.803	134.162 133.747 1.596976+02	.000000+00 881.663 907.817	.000000+00 17.9229 18.358	.000 30.3000 30.360	.0000 54.800 5.1369	.0000 3.927550+03 1.6233	.0000 1.1153 1.1155
24000.	26.925	145.993 145.566 1.820331+02	.000000+00 961.484 989.220	.000000+00 18.4354 18.910	.000 31.0097 31.071	.0000 56.007 5.2976	.0000 4.098313+03 1.6816	.0000 1.1187 1.1190
25000.	28.047	158.327 157.885 2.064851+02	.000000+00 1044.563 1074.028	.000000+00 18.8682 19.341	.000 31.7762 31.840	.0000 57.239 5.4701	.0000 4.269076+03 1.7420	.0000 1.1236 1.1239
26000.	29.169	171.165 170.704 2.332980+02	.000000+00 1130.806 1162.273	.000000+00 19.1987 19.670	.000 32.6487 32.719	.0000 58.492 5.6620	.0000 4.439839+03 1.8038	.0000 1.1312 1.1316
27000.	30.291	184.507 184.018 2.621241+02	.000000+00 1220.025 1253.693	.000000+00 19.3840 19.851	.000 33.7241 33.806	.0000 59.758 5.8878	.0000 4.610602+03 1.8659	.0000 1.1441 1.1448
28000.	31.413	198.352 197.823 2.944503+02	.000000+00 1311.772 1348.094	.000000+00 19.3230 19.779	.000 35.2405 35.349	.0000 61.024 6.1901	.0000 4.781365+03 1.9259	.0000 1.1711 1.1725

ALTITUDE = 260000. FT.								
P1 = 1.173957-05 ATM. , RHO1 = 1.747994-05 AMA. , T1 = 183.56 K								
S1/R = 33.555 , A1 = 891.36 FT./SEC. , H1/R = 642.464 K								
U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
29000.	32.535	212.700 212.100 3.316845+02	.000000+00 1404.869 1444.861	.000000+00 18.7860 19.219	.000 37.8361 38.010	.0000 62.263 6.6635	.0000 4.952128+03 1.9755	.0000 1.2297 1.2319
30000.	33.656	227.552 226.844 3.723330+02	.000000+00 1499.147 1544.026	.000000+00 17.8782 18.312	.000 41.7358 41.942	.0000 63.433 7.0510	.0000 5.122891+03 2.0079	.0000 1.2318 1.2298
31000.	34.778	242.907 242.106 4.133688+02	.000000+00 1597.926 1647.299	.000000+00 17.3709 17.822	.000 45.0697 45.252	.0000 64.532 7.2508	.0000 5.293654+03 2.0401	.0000 1.1876 1.1864
32000.	35.900	258.765 257.895 4.542188+02	.000000+00 1701.577 1754.801	.000000+00 17.2116 17.674	.000 47.5583 47.721	.0000 65.595 7.4416	.0000 5.464417+03 2.0781	.0000 1.1638 1.1633
33000.	37.022	275.127 274.203 4.957091+02	.000000+00 1809.603 1866.219	.000000+00 17.2237 17.691	.000 49.5353 49.687	.0000 66.641 7.6320	.0000 5.635180+03 2.1206	.0000 1.1518 1.1516
34000.	38.144	291.993 291.023 5.380482+02	.000000+00 1921.543 1981.360	.000000+00 17.3216 17.792	.000 51.1988 51.344	.0000 67.680 7.8198	.0000 5.805943+03 2.1664	.0000 1.1453 1.1453
35000.	39.266	309.362 308.352 5.808259+02	.000000+00 2037.288 2100.152	.000000+00 17.4655 17.937	.000 52.6565 52.798	.0000 68.720 8.0058	.0000 5.976706+03 2.2150	.0000 1.1417 1.1417
6000.	40.388	327.234 326.186 6.253366+02	.000000+00 2156.512 2222.481	.000000+00 17.6319 18.104	.000 53.9704 54.109	.0000 69.763 8.1901	.0000 6.147469+03 2.2660	.0000 1.1396 1.1397
7000.	41.510	345.610 344.524 6.697465+02	.000000+00 2279.260 2348.253	.000000+00 17.8097 18.282	.000 55.1801 55.317	.0000 70.812 8.3738	.0000 6.318232+03 2.3191	.0000 1.1385 1.1386
8000.	42.632	364.489 363.368 7.153330+02	.000000+00 2405.582 2477.498	.000000+00 17.9913 18.463	.000 56.3123 56.449	.0000 71.869 8.5580	.0000 6.488995+03 2.3743	.0000 1.1382 1.1384
9000.	43.753	383.872 382.712 7.621238+02	.000000+00 2535.141 2610.232	.000000+00 18.1696 18.641	.000 57.3851 57.522	.0000 72.934 8.7428	.0000 6.659758+03 2.4313	.0000 1.1384 1.1386
0000.	44.875	403.758 402.561 8.084605+02	.000000+00 2668.214 2746.386	.000000+00 18.3435 18.814	.000 58.4130 58.550	.0000 74.008 8.9283	.0000 6.830521+03 2.4901	.0000 1.1388 1.1390
1000.	45.997	424.148 422.912 8.565876+02	.000000+00 2804.674 2885.942	.000000+00 18.5094 18.979	.000 59.4069 59.545	.0000 75.091 9.1163	.0000 7.001284+03 2.5506	.0000 1.1397 1.1400
2000.	47.119	445.041 443.765 9.048050+02	.000000+00 2944.502 3028.975	.000000+00 18.6658 19.134	.000 60.3757 60.515	.0000 76.185 9.3059	.0000 7.172048+03 2.6128	.0000 1.1408 1.1411

ALTITUDE = 260000. FT.

P1 = 1.173957-05 ATM. , RH01 = 1.747994-05 AMA. , T1 = 183.56 K
 S1/R = 33.555 , A1 = 891.36 FT./SEC. , H1/R = 642.464 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAME0 GAMES GAMEOP
43000.	48.241	466.438 465.121 9.532004+02	.000000+00 3087.679 3175.342	.000000+00 18.8112 19.278	.000 61.3268 61.467	.0000 77.287 9.4977	.0000 7.342810+03 2.6765	.0000 1.1420 1.1423
44000.	49.363	488.338 486.978 1.002655+03	.000000+00 3234.185 3325.141	.000000+00 18.9443 19.409	.000 62.2669 62.409	.0000 78.400 9.6925	.0000 7.513574+03 2.7418	.0000 1.1435 1.1438
45000.	50.485	510.741 509.337 1.052234+03	.000000+00 3384.004 3478.282	.000000+00 19.0645 19.527	.000 63.2026 63.347	.0000 79.522 9.8904	.0000 7.684337+03 2.8085	.0000 1.1451 1.1454
46000.	51.607	533.648 532.197 1.101811+03	.000000+00 3537.116 3634.986	.000000+00 19.1708 19.632	.000 64.1399 64.287	.0000 80.653 10.0922	.0000 7.855100+03 2.8767	.0000 1.1470 1.1473
47000.	52.728	557.058 555.558 1.151254+03	.000000+00 3693.498 3795.271	.000000+00 19.2623 19.723	.000 65.0851 65.236	.0000 81.793 10.2974	.0000 8.025863+03 2.9462	.0000 1.1490 1.1494
48000.	53.850	580.972 579.420 1.198953+03	.000000+00 3853.127 3958.822	.000000+00 19.3382 19.798	.000 66.0449 66.199	.0000 82.940 10.5085	.0000 8.196626+03 3.0170	.0000 1.1516 1.1519
49000.	54.972	605.389 603.781 1.244399+03	.000000+00 4015.973 4125.702	.000000+00 19.3971 19.855	.000 67.0273 67.186	.0000 84.096 10.7252	.0000 8.367389+03 3.0890	.0000 1.1543 1.1547
50000.	56.094	630.310 628.643 1.286933+03	.000000+00 4182.004 4296.070	.000000+00 19.4379 19.895	.000 68.0408 68.205	.0000 85.258 10.9470	.0000 8.538152+03 3.1622	.0000 1.1571 1.1575

ALTITUDE = 270000. FT.

P1 = 6.699860-06 ATM. , RH01 = 1.013670-05 AMA. , T1 = 180.65 K
 S1/R = 34.061 , A1 = 884.26 FT./SEC. , H1/R = 632.275 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAME0 GAMES GAMEOP
6000.	6.785	10.208 9.958 1.855441+00	4.124232+03 54.871 60.385	4.456709+02 6.0695 6.540	9.242 9.0275 9.219	2.3759 38.285 2.3610	1.0001 6.025832+02 1.0003	1.2929 1.2850 1.2795
7000.	7.916	13.533 13.260 3.052544+00	1.254239+04 75.827 82.559	1.067144+03 6.7747 7.281	11.725 11.1025 11.236	2.6324 39.103 2.5095	1.0012 7.030137+02 1.0079	1.2496 1.1827 1.1772
8000.	9.047	17.370 17.108 4.651912+00	3.534138+04 101.167 108.664	2.490441+03 7.9116 8.428	14.063 12.4168 12.501	2.8324 39.950 2.6224	1.0079 8.034443+02 1.0301	1.1982 1.1315 1.1304
9000.	10.178	21.718 21.473 6.704671+00	9.530563+04 130.314 138.436	5.759422+03 9.1861 9.696	16.170 13.3605 13.426	3.0259 40.870 2.7455	1.0221 9.038748+02 1.0621	1.1726 1.1189 1.1189

ALTITUDE = 270000. FT.

P1 = 6.699860-06 ATM. , RHO1 = 1.013670-05 AMA. , T1 = 180.65 K
 S1/R = 34.061 , A1 = 884.26 FT./SEC. , H1/R = 632.275 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
10000.	11.309	26.578 26.343 9.264355+00	2.487001+05 162.973 171.767	1.307519+04 10.4305 10.931	18.234 14.1975 14.258	3.2401 41.865 2.8819	1.0419 1.004305+03 1.1008	1.1698 1.1197 1.1202
11000.	12.440	31.949 31.716 1.238629+01	6.267576+05 198.949 208.536	2.875396+04 11.5183 12.005	20.438 15.0999 15.166	3.4804 42.926 3.0481	1.0652 1.104736+03 1.1440	1.1778 1.1325 1.1336
12000.	13.571	37.832 37.584 1.615311+01	1.515230+06 237.798 248.601	6.055476+04 12.1771 12.641	22.921 16.4557 16.555	3.7549 44.026 3.3218	1.0903 1.205166+03 1.1865	1.1942 1.1851 1.1892
13000.	14.702	44.227 43.916 2.083121+01	3.489697+06 278.095 291.161	1.210151+05 11.7910 12.230	25.821 19.4909 19.665	4.0679 45.084 3.7518	1.1154 1.305597+03 1.2092	1.2162 1.2576 1.2531
14000.	15.832	51.133 50.773 2.635355+01	7.620329+06 322.379 337.580	2.291456+05 11.8009 12.280	29.184 22.2279 22.347	4.4008 46.048 3.8727	1.1381 1.406028+03 1.2286	1.2343 1.1586 1.1563
15000.	16.963	58.551 58.176 3.269179+01	1.578551+07 371.576 388.209	4.128040+05 12.3970 12.889	32.943 23.8295 23.919	4.7252 46.994 3.9972	1.1594 1.506458+03 1.2577	1.2375 1.1249 1.1243
16000.	18.094	66.480 66.102 3.987948+01	3.116986+07 424.785 442.599	7.159390+05 13.1621 13.657	36.827 24.9694 25.045	5.0324 47.959 4.1255	1.1808 1.606889+03 1.2925	1.2328 1.1131 1.1130
17000.	19.225	74.921 74.542 4.812679+01	5.908093+07 481.698 500.621	1.203590+06 13.9730 14.467	40.685 25.8919 25.959	5.3365 48.955 4.2540	1.2051 1.707319+03 1.3314	1.2296 1.1084 1.1084
18000.	20.356	83.873 83.494 5.735021+01	1.080470+08 542.198 562.224	1.964837+06 14.7852 15.278	44.502 26.6925 26.755	5.6604 49.987 4.3830	1.2342 1.807750+03 1.3738	1.2349 1.1063 1.1063
19000.	21.487	93.337 92.956 6.760341+01	1.912051+08 606.233 627.327	3.113051+06 15.5791 16.069	48.309 27.4175 27.476	6.0138 51.055 4.5128	1.2699 1.908180+03 1.4191	1.2479 1.1055 1.1056
20000.	22.618	103.312 102.929 7.908086+01	3.276231+08 673.755 696.029	4.777860+06 16.3373 16.824	52.128 28.0993 28.157	6.4045 52.159 4.6482	1.3138 2.008611+03 1.4675	1.2678 1.1066 1.1068
21000.	23.749	113.799 113.411 9.180742+01	5.440436+08 744.729 768.177	7.097877+06 17.0475 17.531	55.973 28.7599 28.816	6.8449 53.300 4.7868	1.3677 2.109041+03 1.5188	1.2956 1.1081 1.1083
22000.	24.879	124.798 124.403 1.058131+02	8.749346+08 819.141 843.864	1.019441+07 17.7064 18.187	59.840 29.4123 29.468	7.3367 54.476 4.9300	1.4325 2.209472+03 1.5727	1.3292 1.1100 1.1102
23000.	26.010	136.308 135.904 1.211707+02	.000000+00 896.960 922.956	.000000+00 18.3052 18.781	.000 30.0742 30.130	.0000 55.684 5.0797	.0000 2.309902+03 1.6291	.0000 1.1126 1.1128

ALTITUDE = 270000. FT.

P1 = 6.699860-06 ATM. , RHO1 = 1.013670-05 AMA. , T1 = 180.65 K
 S1/R = 34.061 , A1 = 884.26 FT./SEC. , H1/R = 632.275 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
24000.	27.141	148.330 147.914 1.380104+02	.000000+00 978.147 1005.678	.000000+00 18.8341 19.308	.000 30.7663 30.824	.0000 56.922 5.2381	.0000 2.410333+03 1.6878	.0000 1.1162 1.1164
25000.	28.272	160.863 160.433 1.564969+02	.000000+00 1062.647 1091.955	.000000+00 19.2797 19.753	.000 31.5180 31.579	.0000 58.187 5.4081	.0000 2.510763+03 1.7484	.0000 1.1210 1.1213
26000.	29.403	173.908 173.458 1.768381+02	.000000+00 1150.362 1181.662	.000000+00 19.6184 20.090	.000 32.3791 32.446	.0000 59.473 5.5977	.0000 2.611194+03 1.8106	.0000 1.1286 1.1291
27000.	30.534	187.464 186.988 1.991873+02	.000000+00 1241.085 1274.610	.000000+00 19.7998 20.267	.000 33.4559 33.535	.0000 60.774 5.8242	.0000 2.711624+03 1.8731	.0000 1.1424 1.1432
28000.	31.665	201.532 201.015 2.236051+02	.000000+00 1334.303 1370.481	.000000+00 19.7045 20.159	.000 35.0196 35.128	.0000 62.073 6.1381	.0000 2.812055+03 1.9330	.0000 1.1729 1.1745
29000.	32.796	216.111 215.519 2.520096+02	.000000+00 1428.621 1468.654	.000000+00 19.0499 19.479	.000 37.8357 38.015	.0000 63.339 6.6437	.0000 2.912486+03 1.9809	.0000 1.2389 1.2408
30000.	33.927	231.202 230.500 2.830353+02	.000000+00 1524.336 1569.406	.000000+00 18.0863 18.522	.000 41.8658 42.064	.0000 64.526 6.9894	.0000 3.012916+03 2.0119	.0000 1.2242 1.2220
31000.	35.057	246.805 246.015 3.137817+02	.000000+00 1625.095 1674.527	.000000+00 17.6253 18.079	.000 45.0636 45.234	.0000 65.643 7.1765	.0000 3.113347+03 2.0452	.0000 1.1796 1.1784
32000.	36.188	262.919 262.065 3.448113+02	.000000+00 1730.769 1783.949	.000000+00 17.5052 17.969	.000 47.4217 47.574	.0000 66.727 7.3629	.0000 3.213777+03 2.0843	.0000 1.1578 1.1573
33000.	37.319	279.545 278.640 3.763366+02	.000000+00 1840.827 1897.317	.000000+00 17.5459 18.015	.000 49.2967 49.439	.0000 67.796 7.5485	.0000 3.314208+03 2.1278	.0000 1.1468 1.1466
34000.	38.450	296.682 295.735 4.080969+02	.000000+00 1954.827 2014.385	.000000+00 17.6665 18.138	.000 50.8777 51.014	.0000 68.861 7.7315	.0000 3.414638+03 2.1745	.0000 1.1408 1.1407
35000.	39.581	314.331 313.347 4.412822+02	.000000+00 2072.658 2135.170	.000000+00 17.8296 18.302	.000 52.2655 52.398	.0000 69.927 7.9128	.0000 3.515069+03 2.2239	.0000 1.1373 1.1374
36000.	40.712	332.492 331.471 4.741678+02	.000000+00 2194.023 2259.576	.000000+00 18.0130 18.486	.000 53.5182 53.648	.0000 70.998 8.0928	.0000 3.615499+03 2.2756	.0000 1.1355 1.1357
37000.	41.843	351.164 350.107 5.084408+02	.000000+00 2318.962 2387.557	.000000+00 18.2060 18.680	.000 54.6731 54.802	.0000 72.076 8.2726	.0000 3.715930+03 2.3295	.0000 1.1346 1.1348

ALTITUDE = 270000. FT.

P1 = 6.699860-06 ATM. , RHQ1 = 1.013670-05 AMA. , T1 = 180.65 K
 S1/R = 34.061 , A1 = 884.26 FT./SEC. , H1/R = 632.275 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
38000.	42.974	370.347 369.256 5.428621+02	.000000+00 2447.383 2518.980	.000000+00 18.4009 18.875	.000 55.7545 55.883	.0000 73.163 8.4522	.0000 3.816360+03 2.3853	.0000 1.1343 1.1345
39000.	44.105	390.042 388.916 5.771546+02	.000000+00 2579.390 2653.919	.000000+00 18.5932 19.066	.000 56.7805 56.909	.0000 74.259 8.6330	.0000 3.916791+03 2.4430	.0000 1.1346 1.1348
40000.	45.235	410.249 409.088 6.128527+02	.000000+00 2714.820 2792.391	.000000+00 18.7793 19.251	.000 57.7642 57.892	.0000 75.366 8.8147	.0000 4.017221+03 2.5025	.0000 1.1351 1.1353
41000.	46.366	430.967 429.770 6.476184+02	.000000+00 2853.693 2934.291	.000000+00 18.9565 19.427	.000 58.7156 58.844	.0000 76.482 8.9982	.0000 4.117652+03 2.5637	.0000 1.1359 1.1361
42000.	47.497	452.197 450.962 6.826208+02	.000000+00 2995.994 3079.663	.000000+00 19.1238 19.593	.000 59.6433 59.773	.0000 77.609 9.1834	.0000 4.218082+03 2.6266	.0000 1.1368 1.1371
43000.	48.628	473.938 472.665 7.184556+02	.000000+00 3141.701 3228.554	.000000+00 19.2792 19.746	.000 60.5550 60.686	.0000 78.747 9.3713	.0000 4.318513+03 2.6910	.0000 1.1381 1.1384
44000.	49.759	496.191 494.877 7.535455+02	.000000+00 3290.797 3380.953	.000000+00 19.4218 19.888	.000 61.4567 61.589	.0000 79.896 9.5617	.0000 4.418943+03 2.7570	.0000 1.1395 1.1398
45000.	50.890	518.956 517.599 7.884049+02	.000000+00 3443.265 3536.714	.000000+00 19.5509 20.015	.000 62.3547 62.489	.0000 81.054 9.7555	.0000 4.519374+03 2.8244	.0000 1.1412 1.1415
46000.	52.021	542.232 540.831 8.232220+02	.000000+00 3599.085 3695.931	.000000+00 19.6652 20.127	.000 63.2549 63.392	.0000 82.222 9.9529	.0000 4.619805+03 2.8933	.0000 1.1430 1.1433
47000.	53.152	566.019 564.571 8.581470+02	.000000+00 3758.234 3858.611	.000000+00 19.7642 20.224	.000 64.1637 64.304	.0000 83.400 10.1540	.0000 4.720235+03 2.9635	.0000 1.1450 1.1453
48000.	54.283	590.318 588.821 8.924309+02	.000000+00 3920.688 4024.869	.000000+00 19.8465 20.305	.000 65.0877 65.231	.0000 84.587 10.3608	.0000 4.820666+03 3.0351	.0000 1.1474 1.1477
49000.	55.413	615.129 613.579 9.253893+02	.000000+00 4086.422 4194.950	.000000+00 19.9115 20.370	.000 66.0348 66.183	.0000 85.781 10.5723	.0000 4.921096+03 3.1079	.0000 1.1499 1.1503
50000.	56.544	640.451 638.845 9.576684+02	.000000+00 4255.398 4368.029	.000000+00 19.9572 20.414	.000 67.0135 67.166	.0000 86.984 10.7913	.0000 5.021527+03 3.1819	.0000 1.1531 1.1535

ALTITUDE = 280000. FT.

P1 = 3.821248-06 ATM. , RHO1 = 5.781440-06 AMA. , T1 = 180.65 K
 S1/R = 34.622 , A1 = 884.26 FT./SEC. , H1/R = 632.275 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RC/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	6.785	10.208 9.959 1.401185+00	4.124342+03 54.878 60.389	4.457304+02 6.0736 6.545	9.241 9.0219 9.211	2.3752 38.847 2.3562	1.0001 3.436818+02 1.0004	1.2922 1.2815 1.2753
7000.	7.916	13.533 13.264 2.304104+00	1.255240+04 75.928 82.602	1.069914+03 6.8281 7.337	11.700 11.0174 11.142	2.6242 39.669 2.4914	1.0016 4.009621+02 1.0092	1.2440 1.1738 1.1686
8000.	9.047	17.370 17.115 3.509870+00	3.551354+04 101.361 108.752	2.518097+03 8.0191 8.537	13.954 12.2447 12.323	2.8145 40.528 2.6016	1.0095 4.582424+02 1.0326	1.1904 1.1268 1.1260
9000.	10.178	21.718 21.480 5.057362+00	9.654289+04 130.562 138.555	5.892216+03 9.3329 9.844	15.963 13.1347 13.196	3.0035 41.466 2.7222	1.0252 5.155227+02 1.0654	1.1669 1.1157 1.1158
10000.	11.309	26.578 26.351 6.986840+00	2.546810+05 163.265 171.905	1.355451+04 10.6105 11.111	17.934 13.9326 13.990	3.2135 42.483 2.8563	1.0464 5.728030+02 1.1046	1.1648 1.1171 1.1176
11000.	12.440	31.949 31.724 9.340806+00	6.494299+05 199.273 208.705	3.020267+04 11.7202 12.207	20.052 14.8086 14.872	3.4506 43.569 3.0218	1.0710 6.300833+02 1.1482	1.1736 1.1308 1.1319
12000.	13.571	37.832 37.591 1.218431+01	1.589913+06 238.094 248.753	6.443853+04 12.3496 12.811	22.459 16.1928 16.293	3.7235 44.692 3.3101	1.0973 6.873636+02 1.1903	1.1909 1.1913 1.1959
13000.	14.702	44.227 43.919 1.572094+01	3.704094+06 278.228 291.245	1.302131+05 11.8589 12.301	25.298 19.3647 19.533	4.0371 45.763 3.7291	1.1231 7.446439+02 1.2106	1.2143 1.2503 1.2449
14000.	15.832	51.133 50.781 1.987290+01	8.173764+06 322.733 337.779	2.488470+05 11.9425 12.425	28.631 21.9479 22.058	4.3715 46.738 3.8391	1.1459 8.019242+02 1.2309	1.2330 1.1511 1.1491
15000.	16.963	58.551 58.187 2.465051+01	1.707512+07 372.065 388.391	4.518747+05 12.5865 13.079	32.358 23.4453 23.528	4.6901 47.700 3.9615	1.1664 8.592045+02 1.2607	1.2338 1.1205 1.1200
16000.	18.094	66.480 66.114 3.006050+01	3.401297+07 425.370 442.851	7.915354+05 13.3869 13.882	36.171 24.5175 24.587	4.9839 48.685 4.0870	1.1866 9.164848+02 1.2959	1.2251 1.1098 1.1097
17000.	19.225	74.921 74.555 3.624664+01	6.504236+07 482.364 500.968	1.345807+06 14.2284 14.724	39.925 25.3883 25.451	5.2725 49.703 4.2128	1.2090 9.737651+02 1.3352	1.2191 1.1055 1.1056
18000.	20.356	83.873 83.508 4.322282+01	1.202363+08 542.934 562.594	2.227995+06 15.0676 15.561	43.631 26.1477 26.206	5.5744 50.759 4.3395	1.2354 1.031045+03 1.3779	1.2203 1.1038 1.1039
19000.	21.487	93.337 92.971 5.098461+01	2.152504+08 607.029 627.747	3.585859+06 15.8837 16.374	47.330 26.8388 26.894	5.8976 51.852 4.4674	1.2668 1.088326+03 1.4238	1.2280 1.1033 1.1033

ALTITUDE = 280000. FT.

P1 = 3.821248-06 ATM. , RHO1 = 5.781440-C6 AMA. , T1 = 180.65 K
 S1/R = 34.622 , A1 = 884.26 FT./SEC. , H1/R = 632.275 K

UI	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
20000.	22.618	103.312 102.944 5.957308+01	3.739878+08 674.623 696.401	5.607611+06 16.6671 17.154	51.062 27.4859 27.539	6.2562 52.984 4.5981	1.3046 1.145606+03 1.4724	1.2439 1.1036 1.1037
21000.	23.749	113.799 113.427 6.912807+01	6.306837+08 745.674 768.622	8.506493+06 17.4024 17.886	54.843 28.1133 28.166	6.6541 54.154 4.7347	1.3502 1.202886+03 1.5239	1.2657 1.1053 1.1056
22000.	24.879	124.798 124.419 7.966838+01	1.032410+09 820.159 844.387	1.250477+07 18.0821 18.564	58.680 28.7368 28.789	7.0984 55.360 4.8754	1.4052 1.260167+03 1.5781	1.2935 1.1073 1.1075
23000.	26.010	136.308 135.921 9.122851+01	1.639336+09 898.054 923.616	1.780058+07 18.7004 19.179	62.560 29.3697 29.422	7.5911 56.599 5.0225	1.4704 1.317447+03 1.6348	1.3261 1.1099 1.1101
24000.	27.141	148.330 147.932 1.038804+02	.000000+00 979.322 1006.250	.000000+00 19.2468 19.721	.000 30.0334 30.087	.0000 57.871 5.1781	.0000 1.374727+03 1.6938	.0000 1.1134 1.1137
25000.	28.272	160.863 160.451 1.177040+02	.000000+00 1063.905 1092.539	.000000+00 19.7064 20.179	.000 30.7577 30.815	.0000 59.169 5.3461	.0000 1.432007+03 1.7549	.0000 1.1185 1.1188
26000.	29.403	173.908 173.478 1.328520+02	.000000+00 1151.698 1182.295	.000000+00 20.0523 20.524	.000 31.5954 31.658	.0000 60.491 5.5339	.0000 1.489288+03 1.8174	.0000 1.1263 1.1267
27000.	30.534	187.464 187.008 1.496509+02	.000000+00 1242.487 1275.333	.000000+00 20.2297 20.698	.000 32.6571 32.732	.0000 61.826 5.7607	.0000 1.546568+03 1.8802	.0000 1.1407 1.1415
28000.	31.665	201.532 201.034 1.681929+02	.000000+00 1335.611 1371.142	.000000+00 20.0919 20.545	.000 34.2529 34.359	.0000 63.159 6.0880	.0000 1.603848+03 1.9400	.0000 1.1752 1.1771
29000.	32.796	216.111 215.534 1.896710+02	.000000+00 1429.664 1469.144	.000000+00 19.2999 19.725	.000 37.2780 37.460	.0000 64.452 6.6260	.0000 1.661129+03 1.9859	.0000 1.2481 1.2493
30000.	33.927	231.202 230.517 2.130176+02	.000000+00 1525.402 1569.938	.000000+00 18.3043 18.743	.000 41.3146 41.500	.0000 65.656 6.9229	.0000 1.718409+03 2.0159	.0000 1.2150 1.2127
31000.	35.057	246.805 246.039 2.357145+02	.000000+00 1626.573 1675.250	.000000+00 17.8959 18.352	.000 44.3104 44.467	.0000 66.792 7.1009	.0000 1.775689+03 2.0503	.0000 1.1717 1.1707
32000.	36.188	262.919 262.094 2.585981+02	.000000+00 1732.590 1784.810	.000000+00 17.8148 18.280	.000 46.5048 46.645	.0000 67.898 7.2827	.0000 1.832970+03 2.0906	.0000 1.1517 1.1513
33000.	37.319	279.545 278.674 2.817999+02	.000000+00 1842.930 1898.324	.000000+00 17.8841 18.354	.000 48.2532 48.384	.0000 68.991 7.4635	.0000 1.890250+03 2.1350	.0000 1.1416 1.1415

ALTITUDE = 280000. FT.

P1 = 3.821248-06 ATM. , RHO1 = 5.781440-06 AMA. , T1 = 180.65 K
 S1/R = 34.622 , A1 = 884.26 FT./SEC. , H1/R = 632.275 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
34000.	38.450	296.682 295.774 3.062565+02	.000000+00 1957.266 2015.547	.000000+00 18.0284 18.500	.000 49.7312 49.856	.0000 70.083 7.6426	.0000 1.947530+03 2.1826	.0000 1.1363 1.1363
35000.	39.581	314.331 313.387 3.305304+02	.000000+00 2075.218 2136.355	.000000+00 18.2102 18.683	.000 51.0308 51.152	.0000 71.177 7.8194	.0000 2.004810+03 2.2328	.0000 1.1332 1.1333
36000.	40.712	332.492 331.514 3.564424+02	.000000+00 2196.797 2260.785	.000000+00 18.4110 18.884	.000 52.2057 52.325	.0000 72.277 7.9954	.0000 2.062091+03 2.2852	.0000 1.1316 1.1317
37000.	41.843	351.164 350.154 3.823908+02	.000000+00 2321.943 2388.898	.000000+00 18.6195 19.093	.000 53.2901 53.408	.0000 73.386 8.1707	.0000 2.119371+03 2.3398	.0000 1.1308 1.1309
38000.	42.974	370.347 369.305 4.092962+02	.000000+00 2450.616 2520.497	.000000+00 18.8290 19.303	.000 54.3066 54.424	.0000 74.504 8.3465	.0000 2.176651+03 2.3963	.0000 1.1306 1.1308
39000.	44.105	390.042 388.968 4.372494+02	.000000+00 2582.782 2655.566	.000000+00 19.0345 19.508	.000 55.2714 55.389	.0000 75.633 8.5228	.0000 2.233932+03 2.4547	.0000 1.1307 1.1309
40000.	45.235	410.249 409.142 4.629067+02	.000000+00 2718.418 2794.128	.000000+00 19.2331 19.706	.000 56.1973 56.315	.0000 76.773 8.7004	.0000 2.291212+03 2.5148	.0000 1.1312 1.1314
41000.	46.366	430.967 429.826 4.893577+02	.000000+00 2857.502 2936.155	.000000+00 19.4224 19.894	.000 57.0934 57.212	.0000 77.924 8.8799	.0000 2.348492+03 2.5767	.0000 1.1321 1.1323
42000.	47.497	452.197 451.021 5.165644+02	.000000+00 3000.016 3081.660	.000000+00 19.6007 20.071	.000 57.9677 58.087	.0000 79.086 9.0609	.0000 2.405773+03 2.6402	.0000 1.1331 1.1333
43000.	48.628	473.938 472.727 5.419174+02	.000000+00 3145.941 3230.591	.000000+00 19.7666 20.234	.000 58.8271 58.947	.0000 80.261 9.2449	.0000 2.463053+03 2.7052	.0000 1.1344 1.1346
44000.	49.759	496.191 494.942 5.673608+02	.000000+00 3295.261 3383.048	.000000+00 19.9191 20.385	.000 59.6775 59.799	.0000 81.446 9.4309	.0000 2.520333+03 2.7719	.0000 1.1356 1.1358
45000.	50.890	518.956 517.667 5.928453+02	.000000+00 3447.959 3539.021	.000000+00 20.0573 20.522	.000 60.5255 60.649	.0000 82.642 9.6206	.0000 2.577613+03 2.8400	.0000 1.1373 1.1375
46000.	52.021	542.232 540.901 6.172922+02	.000000+00 3604.015 3698.597	.000000+00 20.1803 20.644	.000 61.3761 61.502	.0000 83.850 9.8138	.0000 2.634894+03 2.9096	.0000 1.1391 1.1393
47000.	53.152	566.019 564.645 6.406859+02	.000000+00 3763.406 3861.424	.000000+00 20.2869 20.749	.000 62.2356 62.364	.0000 85.067 10.0108	.0000 2.692174+03 2.9806	.0000 1.1410 1.1413

ALTITUDE = 280000. FT.

P1 = 3.821248-06 ATM. , RHO1 = 5.781440-06 AMA. , T1 = 180.65 K
 S1/R = 34.622 , A1 = 884.26 FT./SEC. , H1/R = 632.275 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
48000.	54.283	590.318 588.898 6.629968+02	.000000+00 3926.112 4027.656	.000000+00 20.3764 20.836	.000 63.1108 63.242	.0000 86.294 10.2130	.0000 2.749454+03 3.0529	.0000 1.1433 1.1436
49000.	55.413	615.129 613.659 6.848517+02	.000000+00 4092.101 4197.444	.000000+00 20.4474 20.906	.000 64.0089 64.144	.0000 87.530 10.4205	.0000 2.806735+03 3.1264	.0000 1.1459 1.1462
50000.	56.544	640.451 638.928 7.056565+02	.000000+00 4261.341 4370.944	.000000+00 20.4984 20.956	.000 64.9391 65.079	.0000 88.774 10.6349	.0000 2.864015+03 3.2011	.0000 1.1489 1.1493

ALTITUDE = 290000. FT.

P1 = 2.180597-06 ATM. , RHO1 = 3.299181-06 AMA. , T1 = 180.65 K
 S1/R = 35.183 , A1 = 884.26 FT./SEC. , H1/R = 632.275 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	6.785	10.208 9.959 1.058409+00	4.124502+03 54.887 60.394	4.458083+02 6.0790 6.552	9.240 9.0146 9.201	2.3743 39.408 2.3502	1.0001 1.961222+02 1.0006	1.2914 1.2772 1.2701
7000.	7.916	13.533 13.269 1.739555+00	1.256535+04 76.037 82.648	1.073391+03 6.8865 7.398	11.669 10.9253 11.041	2.6143 40.235 2.4732	1.0020 2.288092+02 1.0106	1.2375 1.1653 1.1606
8000.	9.047	17.370 17.122 2.648653+00	3.571859+04 101.555 108.823	2.550291+03 8.1294 8.647	13.834 12.0728 12.145	2.7957 41.107 2.5810	1.0112 2.614962+02 1.0351	1.1827 1.1225 1.1218
9000.	10.178	21.718 21.488 3.815823+00	9.796689+04 130.809 138.672	6.042529+03 9.4829 9.994	15.746 12.9125 12.970	2.9807 42.064 2.6992	1.0284 2.941833+02 1.0686	1.1614 1.1127 1.1128
10000.	11.309	26.578 26.358 5.270451+00	2.613742+05 163.550 172.023	1.408855+04 10.7925 11.292	17.631 13.6749 13.729	3.1868 43.103 2.8311	1.0510 3.268703+02 1.1083	1.1602 1.1146 1.1151
11000.	12.440	31.949 31.732 7.045874+00	6.749964+05 199.591 208.851	3.182996+04 11.9252 12.411	19.669 14.5249 14.587	3.4210 44.213 2.9959	1.0768 3.595573+02 1.1523	1.1696 1.1293 1.1304
12000.	13.571	37.832 37.597 9.193577+00	1.673555+06 238.369 248.876	6.879751+04 12.5144 12.971	22.004 15.9500 16.053	3.6927 45.360 3.3020	1.1042 3.922444+02 1.1938	1.1880 1.1991 1.2043
13000.	14.702	44.227 43.923 1.186904+01	3.945338+06 278.380 291.360	1.405734+05 11.9293 12.376	24.790 19.2400 19.401	4.0078 46.442 3.7035	1.1308 4.249314+02 1.2120	1.2130 1.2407 1.2348
14000.	15.832	51.133 50.790 1.499800+01	8.793280+06 323.091 337.951	2.709110+05 12.0896 12.575	28.102 21.6658 21.768	4.3406 47.428 3.8061	1.1536 4.576184+02 1.2331	1.2302 1.1442 1.1424

ALTITUDE = 290000. FT.

P1 = 2.180597-06 ATM. , RH01 = 3.299181-06 AMA. , T1 = 180.65 K
 S1/R = 35.183 , A1 = 884.26 FT./SEC. , H1/R = 632.275 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 RCP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
15000.	16.963	58.551 58.198 1.859408+01	1.852759+07 372.551 388.663	4.958136+05 12.7802 13.275	31.802 23.0669 23.144	4.6573 48.408 3.9265	1.1736 4.903054+02 1.2636	1.2302 1.1165 1.1160
16000.	18.094	66.480 66.126 2.267390+01	3.720296+07 425.944 443.177	8.763405+05 13.6148 14.112	35.538 24.0768 24.142	4.9384 49.412 4.0493	1.1931 5.229925+02 1.2993	1.2175 1.1067 1.1066
17000.	19.225	74.921 74.568 2.727588+01	7.174783+07 483.011 501.267	1.505731+06 14.4859 14.982	39.181 24.9009 24.959	5.2163 50.452 4.1723	1.2147 5.556795+02 1.3389	1.2103 1.1026 1.1027
18000.	20.356	83.873 83.521 3.254651+01	1.338673+08 543.649 562.927	2.522502+06 15.3521 15.846	42.765 25.6217 25.676	5.5022 51.532 4.2966	1.2395 5.883665+02 1.3820	1.2090 1.1012 1.1013
19000.	21.487	93.337 92.985 3.841422+01	2.422283+08 607.808 628.109	4.116103+06 16.1933 16.684	46.348 26.2791 26.331	5.8070 52.652 4.4227	1.2682 6.210536+02 1.4281	1.2144 1.1010 1.1011
20000.	22.618	103.312 102.958 4.491258+01	4.260807+08 675.458 696.814	6.541188+06 16.9970 17.484	49.976 26.8982 26.948	6.1374 53.811 4.5511	1.3018 6.537406+02 1.4772	1.2256 1.1013 1.1015
21000.	23.749	113.799 113.441 5.207297+01	7.283679+08 746.582 769.000	1.010308+07 17.7574 18.241	53.672 27.4944 27.543	6.5024 55.009 4.6833	1.3416 6.864276+02 1.5288	1.2430 1.1025 1.1027
22000.	24.879	124.798 124.434 5.999142+01	1.210771+09 821.141 844.802	1.515599+07 18.4603 18.941	57.450 28.0882 28.137	6.9063 56.246 4.8221	1.3889 7.191146+02 1.5833	1.2654 1.1048 1.1050
23000.	26.010	136.308 135.937 6.869647+01	1.955403+09 899.109 924.192	2.204956+07 19.0979 19.578	61.303 28.6949 28.744	7.3544 57.517 4.9669	1.4448 7.518017+02 1.6403	1.2926 1.1074 1.1076
24000.	27.141	148.330 147.948 7.821983+01	3.067562+09 980.453 1006.896	3.111370+07 19.6616 20.138	65.213 29.3320 29.382	7.8433 58.822 5.1199	1.5100 7.844887+02 1.6996	1.3224 1.1109 1.1111
25000.	28.272	160.863 160.468 8.864805+01	.000000+00 1065.116 1093.139	.000000+00 20.1357 20.609	.000 30.0305 30.084	.0000 60.155 5.2855	.0000 8.171757+02 1.7610	.0000 1.1159 1.1162
26000.	29.403	173.908 173.496 1.000172+02	.000000+00 1152.987 1182.894	.000000+00 20.4895 20.961	.000 30.8449 30.904	.0000 61.511 5.4720	.0000 8.498628+02 1.8239	.0000 1.1241 1.1245
27000.	30.534	187.464 187.027 1.125287+02	.000000+00 1243.834 1275.901	.000000+00 20.6608 21.127	.000 31.8952 31.966	.0000 62.882 5.6996	.0000 8.825498+02 1.8870	.0000 1.1393 1.1400
28000.	31.665	201.532 201.053 1.266665+02	.000000+00 1336.925 1371.771	.000000+00 20.4749 20.926	.000 33.5303 33.635	.0000 64.248 6.0426	.0000 9.152368+02 1.9466	.0000 1.1784 1.1805

ALTITUDE = 290000. FT.

P1 = 2.180597-06 ATM. , RH01 = 3.299181-06 AMA. , T1 = 180.65 K
 S1/R = 35.183 , A1 = 884.26 FT./SEC. , H1/R = 632.275 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 RCP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
29000.	32.796	216.111 215.548 1.429269+02	.000000+00 1430.604 1469.602	.000000+00 19.5304 19.953	.000 36.7821 36.966	.0000 65.567 6.6066	.0000 9.479239+02 1.9901	.0000 1.2557 1.2560
30000.	33.927	231.202 230.533 1.602987+02	.000000+00 1526.474 1570.469	.000000+00 18.5305 18.973	.000 40.7613 40.933	.0000 66.787 6.8547	.0000 9.806109+02 2.0197	.0000 1.2053 1.2031
31000.	35.057	246.805 246.062 1.771219+02	.000000+00 1628.054 1675.993	.000000+00 18.1762 18.635	.000 43.5590 43.703	.0000 67.943 7.0269	.0000 1.013298+03 2.0554	.0000 1.1645 1.1636
32000.	36.188	262.919 262.123 1.939020+02	.000000+00 1734.392 1785.690	.000000+00 18.1322 18.599	.000 45.6028 45.732	.0000 69.071 7.2045	.0000 1.045985+03 2.0968	.0000 1.1461 1.1458
33000.	37.319	279.545 278.707 2.112594+02	.000000+00 1844.993 1899.305	.000000+00 18.2290 18.700	.000 47.2356 47.356	.0000 70.190 7.3812	.0000 1.078672+03 2.1421	.0000 1.1370 1.1369
34000.	38.450	296.682 295.810 2.286599+02	.000000+00 1959.544 2016.677	.000000+00 18.3952 18.868	.000 48.6194 48.735	.0000 71.308 7.5557	.0000 1.111359+03 2.1905	.0000 1.1320 1.1320
35000.	39.581	314.331 313.426 2.470364+02	.000000+00 2077.705 2137.635	.000000+00 18.5961 19.070	.000 49.8387 49.951	.0000 72.431 7.7286	.0000 1.144046+03 2.2414	.0000 1.1293 1.1294
36000.	40.712	332.492 331.555 2.650526+02	.000000+00 2199.483 2262.087	.000000+00 18.8136 19.288	.000 50.9425 51.052	.0000 73.561 7.9001	.0000 1.176733+03 2.2945	.0000 1.1278 1.1279
37000.	41.843	351.164 350.198 2.841446+02	.000000+00 2324.874 2390.153	.000000+00 19.0383 19.512	.000 51.9624 52.071	.0000 74.700 8.0715	.0000 1.209420+03 2.3497	.0000 1.1270 1.1272
38000.	42.974	370.347 369.351 3.035916+02	.000000+00 2453.693 2521.917	.000000+00 19.2617 19.736	.000 52.9192 53.027	.0000 75.850 8.2436	.0000 1.242107+03 2.4068	.0000 1.1270 1.1272
39000.	44.105	390.042 389.016 3.231263+02	.000000+00 2586.053 2657.057	.000000+00 19.4806 19.954	.000 53.8282 53.936	.0000 77.012 8.4159	.0000 1.274794+03 2.4658	.0000 1.1271 1.1273
40000.	45.235	410.249 409.193 3.435401+02	.000000+00 2721.885 2795.735	.000000+00 19.6918 20.165	.000 54.7007 54.809	.0000 78.185 8.5895	.0000 1.307481+03 2.5266	.0000 1.1276 1.1278
41000.	46.366	430.967 429.880 3.642579+02	.000000+00 2861.168 2937.900	.000000+00 19.8930 20.365	.000 55.5458 55.654	.0000 79.371 8.7650	.0000 1.340168+03 2.5890	.0000 1.1285 1.1287
42000.	47.497	452.197 451.077 3.845435+02	.000000+00 3003.883 3083.657	.000000+00 20.0824 20.554	.000 56.3708 56.480	.0000 80.569 8.9423	.0000 1.372855+03 2.6531	.0000 1.1294 1.1297

ALTITUDE = 290000. FT.

P1 = 2.180597-06 ATM. , RHO1 = 3.299181-06 AMA. , T1 = 180.65 K
 S1/R = 35.183 , A1 = 884.26 FT./SEC. , H1/R = 632.275 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
43000.	48.628	473.938 472.785 4.052248+02	.000000+00 3150.016 3232.671	.000000+00 20.2589 20.728	.000 57.1823 57.292	.00000 81.780 9.1220	.0000 1.405542+03 2.7188	.0000 1.1306 1.1309
44000.	49.759	496.191 495.003 4.262403+02	.000000+00 3299.550 3385.135	.000000+00 20.4215 20.888	.000 57.9858 58.097	.0000 83.003 9.3043	.0000 1.438229+03 2.7861	.0000 1.1319 1.1321
45000.	50.890	518.956 517.730 4.459527+02	.000000+00 3452.464 3541.175	.000000+00 20.5689 21.034	.000 58.7873 58.900	.0000 84.238 9.4900	.0000 1.470916+03 2.8548	.0000 1.1335 1.1337
46000.	52.021	542.232 540.967 4.651684+02	.000000+00 3608.744 3700.914	.000000+00 20.7004 21.165	.000 59.5920 59.707	.0000 85.484 9.6787	.0000 1.503603+03 2.9251	.0000 1.1352 1.1354
47000.	53.152	566.019 564.714 4.836185+02	.000000+00 3768.368 3864.102	.000000+00 20.8152 21.279	.000 60.4062 60.524	.0000 86.742 9.8721	.0000 1.536290+03 2.9967	.0000 1.1372 1.1374
48000.	54.283	590.318 588.970 5.006389+02	.000000+00 3931.308 4030.684	.000000+00 20.9115 21.375	.000 61.2360 61.356	.0000 88.009 10.0700	.0000 1.568977+03 3.0697	.0000 1.1394 1.1397
49000.	55.413	615.129 613.734 5.154798+02	.000000+00 4097.543 4200.578	.000000+00 20.9889 21.450	.000 62.0888 62.213	.0000 89.287 10.2732	.0000 1.601664+03 3.1440	.0000 1.1420 1.1422
50000.	56.544	640.451 639.007 5.275068+02	.000000+00 4267.036 4373.841	.000000+00 21.0453 21.505	.000 62.9742 63.102	.0000 90.572 10.4834	.0000 1.634352+03 3.2194	.0000 1.1448 1.1452

ALTITUDE = 300000. FT.

P1 = 1.248756-06 ATM. , RHO1 = 1.845134-06 AMA. , T1 = 184.90 K
 S1/R = 35.821 , A1 = 894.60 FT./SEC. , H1/R = 647.148 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	6.707	9.996 9.753 7.938412-01	3.840435+03 53.620 59.003	4.242872+02 6.0753 6.551	9.043 8.8142 8.992	2.3749 39.998 2.3439	1.0001 1.074639+02 1.0008	1.2898 1.2710 1.2626
7000.	7.825	13.245 12.991 1.302911+00	1.169495+04 74.391 80.789	1.024836+03 6.9473 7.462	11.373 10.5833 10.687	2.6025 40.829 2.4550	1.0026 1.253746+02 1.0122	1.2286 1.1564 1.1523
8000.	8.943	16.994 16.758 1.981932+00	3.341798+04 99.389 106.387	2.462540+03 8.2433 8.762	13.380 11.6261 11.691	2.7743 41.716 2.5605	1.0134 1.432852+02 1.0378	1.1740 1.1182 1.1176
9000.	10.060	21.242 21.024 2.853743+00	9.259835+04 128.012 135.575	5.918657+03 9.6375 10.149	15.143 12.3992 12.451	2.9552 42.691 2.6764	1.0323 1.611959+02 1.0720	1.1554 1.1098 1.1099

ALTITUDE = 300000. FT.

P1 = 1.248756-06 ATM. , RH01 = 1.845134-06 AMA. , T1 = 184.90 K
S1/R = 35.821 , A1 = 894.60 FT./SEC. , H1/R = 647.148 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
10000.	11.178	25.990 25.783 3.939713+00	2.502302+05 160.026 168.142	1.400995+04 10.9812 11.479	16.896 13.1088 13.160	3.1573 43.753 2.8062	1.0563 1.791065+02 1.1122	1.1552 1.1122 1.1127
11000.	12.296	31.238 31.032 5.265757+00	6.556613+05 195.250 204.131	3.215414+04 12.1332 12.618	18.805 13.9196 13.977	3.3886 44.889 2.9708	1.0835 1.970172+02 1.1565	1.1655 1.1280 1.1292
12000.	13.414	36.986 36.761 6.872773+00	1.648656+06 233.054 243.185	7.050132+04 12.6640 13.116	21.012 15.3715 15.475	3.6592 46.060 3.3010	1.1120 2.149278+02 1.1972	1.1851 1.2103 1.2164
13000.	14.532	43.233 42.940 8.876436+00	3.940606+06 272.036 284.646	1.458733+05 11.9988 12.450	23.690 18.6797 18.828	3.9780 47.151 3.6749	1.1394 2.328385+02 1.2134	1.2125 1.2288 1.2227
14000.	15.649	49.981 49.654 1.121176+01	8.874251+06 315.913 330.221	2.833767+05 12.2435 12.730	26.920 20.8864 20.978	4.3037 48.148 3.7729	1.1624 2.507491+02 1.2355	1.2242 1.1374 1.1359
15000.	16.767	57.228 56.894 1.389226+01	1.886500+07 364.339 379.825	5.229677+05 12.9824 13.478	30.501 22.1630 22.233	4.6223 49.145 3.8913	1.1817 2.686598+02 1.2666	1.2259 1.1125 1.1121
16000.	17.885	64.975 64.641 1.695173+01	3.818847+07 416.566 433.041	9.330041+05 13.8515 14.347	34.056 23.0916 23.150	4.8927 50.171 4.0115	1.2009 2.865704+02 1.3027	1.2106 1.1036 1.1035
17000.	19.003	73.222 72.890 2.039407+01	7.436805+07 472.366 489.848	1.622014+06 14.7525 15.248	37.486 23.8533 23.906	5.1581 51.234 4.1319	1.2221 3.044811+02 1.3427	1.2011 1.1000 1.1000
18000.	20.121	81.968 81.637 2.427124+01	1.401719+08 531.651 550.116	2.751563+06 15.6474 16.141	40.848 24.5199 24.569	5.4320 52.338 4.2534	1.2461 3.223917+02 1.3861	1.1989 1.0986 1.0988
19000.	21.238	91.215 90.884 2.864462+01	2.564249+08 594.372 613.806	4.551463+06 16.5147 17.005	44.212 25.1304 25.177	5.7206 53.485 4.3771	1.2733 3.403024+02 1.4325	1.2022 1.0985 1.0986
20000.	22.356	100.961 100.628 3.349392+01	4.565655+08 660.502 680.912	7.344571+06 17.3432 17.830	47.631 25.7061 25.751	6.0292 54.673 4.5036	1.3041 3.582130+02 1.4818	1.2104 1.0992 1.0993
21000.	23.474	111.207 110.871 3.884729+01	7.911790+08 730.019 751.477	1.154354+07 18.1239 18.607	51.130 26.2638 26.308	6.3627 55.902 4.6334	1.3394 3.761237+02 1.5339	1.2226 1.1001 1.1003
22000.	24.592	121.953 121.612 4.473112+01	1.334965+09 802.906 825.425	1.765664+07 18.8507 19.330	54.730 26.8156 26.859	6.7313 57.170 4.7683	1.3804 3.940343+02 1.5886	1.2404 1.1019 1.1020
23000.	25.710	133.198 132.851 5.120488+01	2.191824+09 879.126 902.950	2.624453+07 19.5111 19.989	58.431 27.3807 27.425	7.1365 58.475 4.9107	1.4282 4.119450+02 1.6459	1.2622 1.1047 1.1049

ALTITUDE = 300000. FT.

P1 = 1.248756-06 ATM. , RH01 = 1.845134-06 AMA. , T1 = 184.90 K
 S1/R = 35.821 , A1 = 894.60 FT./SEC. , H1/R = 647.148 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
24000.	26.828	144.944 144.587 5.830534+01	3.500692+09 958.641 983.926	3.788297+07 20.0929 20.570	62.223 27.9788 28.025	7.5846 59.813 5.0616	1.4839 4.298556+02 1.7055	1.2886 1.1084 1.1086
25000.	27.945	157.189 156.820 6.607719+01	5.440190+09 1041.398 1068.228	5.314457+07 20.5812 21.057	66.088 28.6370 28.685	8.0641 61.182 5.2247	1.5477 4.477663+02 1.7672	1.3149 1.1134 1.1137
26000.	29.063	169.934 169.549 7.461654+01	.000000+00 1127.290 1155.892	.000000+00 20.9438 21.417	.000 29.4103 29.464	.0000 62.575 5.4093	.0000 4.656770+02 1.8303	.0000 1.1217 1.1221
27000.	30.181	183.179 182.770 8.392081+01	.000000+00 1216.067 1246.673	.000000+00 21.1077 21.573	.000 30.4258 30.492	.0000 63.982 5.6390	.0000 4.835876+02 1.8937	.0000 1.1381 1.1389
28000.	31.299	196.923 196.472 9.446795+01	.000000+00 1306.925 1340.330	.000000+00 20.8626 21.312	.000 32.0748 32.177	.0000 65.383 6.0008	.0000 5.014983+02 1.9530	.0000 1.1828 1.1852
29000.	32.417	211.168 210.629 1.067178+02	.000000+00 1398.008 1435.641	.000000+00 19.7474 20.168	.000 35.4944 35.673	.0000 66.726 6.5804	.0000 5.194089+02 1.9939	.0000 1.2599 1.2591
30000.	33.534	225.912 225.275 1.194825+02	.000000+00 1491.876 1534.287	.000000+00 18.7723 19.218	.000 39.2636 39.419	.0000 67.963 6.7842	.0000 5.373196+02 2.0237	.0000 1.1953 1.1933
31000.	34.652	241.156 240.453 1.318938+02	.000000+00 1591.479 1637.561	.000000+00 18.4739 18.936	.000 41.8036 41.933	.0000 69.140 6.9516	.0000 5.552302+02 2.0607	.0000 1.1573 1.1566
32000.	35.770	256.900 256.149 1.444096+02	.000000+00 1695.635 1744.875	.000000+00 18.4673 18.937	.000 43.6603 43.777	.0000 70.292 7.1255	.0000 5.731409+02 2.1032	.0000 1.1408 1.1405
33000.	36.888	273.143 272.357 1.570741+02	.000000+00 1803.976 1855.945	.000000+00 18.5924 19.065	.000 45.1488 45.257	.0000 71.438 7.2979	.0000 5.910515+02 2.1494	.0000 1.1324 1.1324
34000.	38.006	289.887 289.068 1.700502+02	.000000+00 1915.966 1970.661	.000000+00 18.7802 19.255	.000 46.4133 46.517	.0000 72.584 7.4682	.0000 6.089622+02 2.1985	.0000 1.1279 1.1279
35000.	39.124	307.130 306.282 1.831858+02	.000000+00 2031.563 2088.925	.000000+00 19.0005 19.477	.000 47.5299 47.631	.0000 73.736 7.6368	.0000 6.268728+02 2.2500	.0000 1.1254 1.1255
36000.	40.241	324.873 323.998 1.971073+02	.000000+00 2150.684 2210.640	.000000+00 19.2355 19.712	.000 48.5424 48.642	.0000 74.897 7.8045	.0000 6.447835+02 2.3038	.0000 1.1241 1.1242
37000.	41.359	343.116 342.214 2.103930+02	.000000+00 2273.281 2335.731	.000000+00 19.4756 19.951	.000 49.4788 49.577	.0000 76.068 7.9718	.0000 6.626941+02 2.3596	.0000 1.1234 1.1235

ALTITUDE = 300000. FT.

P1 = 1.248756-06 ATM. , RHO1 = 1.845134-06 AMA. , T1 = 184.90 K
 S1/R = 35.821 , A1 = 894.60 FT./SEC. , H1/R = 647.148 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
38000.	42.477	361.858 360.929 2.242957+02	.000000+00 2399.318 2464.398	.000000+00 19.7143 20.189	.000 50.3582 50.455	.0000 77.252 8.1396	.0000 6.806048+02 2.4174	.0000 1.1233 1.1235
39000.	43.595	381.101 380.145 2.388542+02	.000000+00 2528.767 2596.428	.000000+00 19.9471 20.421	.000 51.1941 51.291	.0000 78.448 8.3082	.0000 6.985154+02 2.4769	.0000 1.1235 1.1237
40000.	44.713	400.843 399.860 2.529664+02	.000000+00 2661.610 2731.933	.000000+00 20.1716 20.645	.000 51.9969 52.094	.0000 79.657 8.4780	.0000 7.164261+02 2.5382	.0000 1.1241 1.1243
41000.	45.830	421.085 420.073 2.674143+02	.000000+00 2797.824 2870.793	.000000+00 20.3850 20.857	.000 52.7751 52.872	.0000 80.879 8.6496	.0000 7.343367+02 2.6013	.0000 1.1248 1.1250
42000.	46.948	441.827 440.786 2.823113+02	.000000+00 2937.395 3013.211	.000000+00 20.5861 21.057	.000 53.5352 53.633	.0000 82.115 8.8231	.0000 7.522474+02 2.6660	.0000 1.1258 1.1260
43000.	48.066	463.069 461.997 2.973213+02	.000000+00 3080.308 3159.073	.000000+00 20.7738 21.244	.000 54.2831 54.382	.0000 83.364 8.9986	.0000 7.701580+02 2.7323	.0000 1.1269 1.1271
44000.	49.184	484.810 483.706 3.120699+02	.000000+00 3226.548 3308.197	.000000+00 20.9467 21.416	.000 55.0243 55.124	.0000 84.626 9.1772	.0000 7.880687+02 2.8001	.0000 1.1283 1.1285
45000.	50.302	507.051 505.914 3.268448+02	.000000+00 3376.094 3460.457	.000000+00 21.1038 21.570	.000 55.7641 55.865	.0000 85.901 9.3586	.0000 8.059793+02 2.8695	.0000 1.1297 1.1299
46000.	51.419	529.792 528.620 3.415728+02	.000000+00 3528.933 3616.430	.000000+00 21.2444 21.709	.000 56.5076 56.610	.0000 87.188 9.5437	.0000 8.238900+02 2.9404	.0000 1.1314 1.1317
47000.	52.537	553.033 551.823 3.559727+02	.000000+00 3685.042 3775.875	.000000+00 21.3672 21.831	.000 57.2604 57.365	.0000 88.488 9.7327	.0000 8.418006+02 3.0127	.0000 1.1333 1.1336
48000.	53.655	576.774 575.524 3.697152+02	.000000+00 3844.402 3938.951	.000000+00 21.4714 21.936	.000 58.0285 58.136	.0000 89.797 9.9263	.0000 8.597113+02 3.0863	.0000 1.1355 1.1357
49000.	54.773	601.015 599.722 3.824757+02	.000000+00 4006.983 4105.511	.000000+00 21.5554 22.020	.000 58.8194 58.931	.0000 91.118 10.1259	.0000 8.776220+02 3.1613	.0000 1.1380 1.1383
50000.	55.891	625.755 624.417 3.940407+02	.000000+00 4172.750 4274.803	.000000+00 21.6172 22.080	.000 59.6421 59.757	.0000 92.448 10.3314	.0000 8.955326+02 3.2374	.0000 1.1408 1.1411

ALTITUDE = 310000. FT.

P1 = 7.322901-07 ATM. , RHO1 = 1.031019-06 AMA. , T1 = 193.87 K
 S1/R = 36.520 , A1 = 916.05 FT./SEC. , H1/R = 678.554 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	6.550	9.580 9.347 5.971046-01	3.315745+03 51.122 56.262	3.829597+02 6.0630 6.542	8.658 8.4261 8.591	2.3770 40.599 2.3370	1.0002 5.761842+01 1.0011	1.2870 1.2622 1.2526
7000.	7.641	12.678 12.441 9.776961-01	1.007938+04 71.035 77.076	9.284845+02 7.0089 7.527	10.819 10.0084 10.099	2.5883 41.433 2.4374	1.0035 6.722148+01 1.0140	1.2171 1.1478 1.1442
8000.	8.733	16.253 16.035 1.485057+00	2.897066+04 94.931 101.510	2.260325+03 8.3590 8.878	12.614 10.9300 10.988	2.7512 42.334 2.5409	1.0162 7.682455+01 1.0407	1.1648 1.1142 1.1137
9000.	9.825	20.305 20.104 2.136089+00	8.121218+04 122.247 129.330	5.519737+03 9.7924 10.303	14.192 11.6248 11.672	2.9278 43.328 2.6544	1.0368 8.642762+01 1.0755	1.1490 1.1069 1.1071
10000.	10.916	24.834 24.642 2.947241+00	2.226213+05 152.783 160.403	1.328546+04 11.1668 11.666	15.776 12.2740 12.319	3.1256 44.414 2.7824	1.0623 9.603069+01 1.1163	1.1499 1.1100 1.1105
11000.	12.008	29.839 29.649 3.937231+00	5.923673+05 186.372 194.677	3.100349+04 12.3393 12.821	17.518 13.0270 13.082	3.3542 45.574 2.9473	1.0908 1.056338+02 1.1608	1.1614 1.1270 1.1283
12000.	13.100	35.320 35.110 5.140374+00	1.513575+06 222.304 231.856	6.907716+04 12.7898 13.234	19.556 14.4927 14.598	3.6245 46.768 3.3080	1.1205 1.152368+02 1.2003	1.1825 1.2249 1.2318
13000.	14.191	41.279 41.002 6.639781+00	3.668708+06 259.395 271.342	1.447139+05 12.0672 12.524	22.073 17.7064 17.838	3.9487 47.866 3.6451	1.1486 1.248399+02 1.2148	1.2131 1.2153 1.2094
14000.	15.283	47.714 47.410 8.381351+00	8.359119+06 301.408 314.861	2.833367+05 12.3999 12.888	25.181 19.6544 19.735	4.2847 48.876 3.7408	1.1718 1.344430+02 1.2380	1.2273 1.1311 1.1297
15000.	16.375	54.626 54.317 1.037128+01	1.791921+07 347.660 362.186	5.274730+05 13.1853 13.682	28.546 20.7905 20.852	4.5868 49.890 3.8572	1.1902 1.440460+02 1.2697	1.2214 1.1088 1.1085
16000.	17.466	62.014 61.706 1.266318+01	3.660964+07 397.500 412.949	9.512427+05 14.0893 14.586	31.828 21.6240 21.676	4.8457 50.937 3.9748	1.2093 1.536491+02 1.3062	1.2033 1.1007 1.1006
17000.	18.558	69.879 69.574 1.524285+01	7.196961+07 450.733 467.120	1.672991+06 15.0208 15.518	34.956 22.3104 22.358	5.1003 52.023 4.0926	1.2308 1.632522+02 1.3465	1.1926 1.0974 1.0975
18000.	19.650	78.221 77.917 1.812675+01	1.370354+08 507.281 524.535	2.873214+06 15.9427 16.437	38.015 22.9144 22.958	5.3627 53.152 4.2116	1.2548 1.728552+02 1.3902	1.1893 1.0962 1.0963
19000.	20.741	87.039 86.736 2.136481+01	2.536829+08 567.104 585.303	4.820116+06 16.8371 17.329	41.081 23.4672 23.509	5.6396 54.326 4.3328	1.2813 1.824583+02 1.4369	1.1919 1.0961 1.0962

ALTITUDE = 310000. FT.

P1 = 7.322901-07 ATM. , RHO1 = 1.031019-06 AMA. , T1 = 193.87 K
 S1/R = 36.520 , A1 = 916.05 FT./SEC. , H1/R = 678.554 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
20000.	21.833	96.334 96.030 2.497872+01	4.572236+08 630.174 649.251	7.893524+06 17.6904 18.178	44.202 23.9902 24.031	5.9301 55.543 4.4570	1.3106 1.920614+02 1.4864	1.1974 1.0968 1.0970
21000.	22.924	106.106 105.799 2.896800+01	8.027811+08 696.473 716.476	1.260761+07 18.4945 18.977	47.413 24.4975 24.537	6.2434 56.802 4.5849	1.3431 2.016645+02 1.5388	1.2073 1.0980 1.0982
22000.	24.016	116.354 116.043 3.335547+01	1.373707+09 765.979 787.020	1.962883+07 19.2410 19.721	50.732 25.0024 25.042	6.5810 58.102 4.7175	1.3797 2.112675+02 1.5939	1.2205 1.0997 1.0998
23000.	25.108	127.080 126.762 3.816351+01	2.291109+09 838.673 860.802	2.976374+07 19.9230 20.399	54.169 25.5172 25.557	6.9511 59.440 4.8561	1.4212 2.208706+02 1.6513	1.2380 1.1020 1.1022
24000.	26.199	138.281 137.955 4.342794+01	3.722679+09 914.514 937.979	4.391193+07 20.5258 21.001	57.720 26.0627 26.104	7.3570 60.813 5.0046	1.4689 2.304737+02 1.7112	1.2592 1.1057 1.1060
25000.	27.291	149.960 149.623 4.919905+01	5.891417+09 993.440 1018.439	6.300678+07 21.0284 21.504	61.379 26.6692 26.713	7.8017 62.218 5.1659	1.5236 2.400767+02 1.7732	1.2839 1.1111 1.1113
26000.	28.383	162.115 161.763 5.555057+01	9.085544+09 1075.351 1102.061	8.802913+07 21.3986 21.873	65.120 27.3877 27.436	8.2707 63.647 5.3489	1.5851 2.496798+02 1.8367	1.3072 1.1195 1.1199
27000.	29.474	174.747 174.373 6.262619+01	1.365547+10 1159.993 1188.624	1.201093+08 21.5544 22.021	68.885 28.3476 28.408	8.6936 65.090 5.5803	1.6507 2.592829+02 1.9002	1.3111 1.1370 1.1378
28000.	30.566	187.855 187.440 7.044859+01	.000000+00 1246.490 1277.729	.000000+00 21.2383 21.684	.000 29.9826 30.080	.00000 66.525 5.9659	.0000 2.688859+02 1.9591	.0000 1.1886 1.1913
29000.	31.658	201.440 200.936 7.971478+01	.000000+00 1332.817 1368.368	.000000+00 19.9463 20.368	.000 33.4743 33.641	.0000 67.891 6.5444	.0000 2.784890+02 1.9973	.0000 1.2593 1.2573
30000.	32.749	215.502 214.910 8.908258+01	.000000+00 1422.651 1462.533	.000000+00 19.0224 19.472	.000 36.9085 37.044	.0000 69.146 6.7140	.0000 2.880921+02 2.0278	.0000 1.1854 1.1837
31000.	33.841	230.041 229.392 9.833423+01	.000000+00 1517.925 1561.102	.000000+00 18.7795 19.243	.000 39.1565 39.270	.0000 70.344 6.8778	.0000 2.976952+02 2.0660	.0000 1.1507 1.1500
32000.	34.932	245.056 244.367 1.076827+02	.000000+00 1617.521 1663.515	.000000+00 18.8098 19.280	.000 40.8047 40.906	.0000 71.521 7.0479	.0000 3.072982+02 2.1095	.0000 1.1357 1.1354
33000.	36.024	260.547 259.827 1.170412+02	.000000+00 1720.884 1769.519	.000000+00 18.9606 19.435	.000 42.1306 42.226	.0000 72.693 7.2165	.0000 3.169013+02 2.1564	.0000 1.1282 1.1281

ALTITUDE = 310000. FT.

P1 = 7.322901-07 ATM. , RH01 = 1.031019-06 AMA. , T1 = 193.87 K
 S1/R = 36.520 , A1 = 916.05 FT./SEC. , H1/R = 678.554 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
34000.	37.116	276.516 275.767 1.268032+02	.000000+00 1827.787 1878.897	.000000+00 19.1703 19.647	.000 43.2604 43.352	.0000 73.868 7.3827	.0000 3.265044+02 2.2062	.0000 1.1240 1.1240
35000.	38.207	292.961 292.186 1.366580+02	.000000+00 1938.112 1991.654	.000000+00 19.4096 19.887	.000 44.2600 44.349	.0000 75.050 7.5478	.0000 3.361074+02 2.2584	.0000 1.1218 1.1219
36000.	39.299	309.883 309.084 1.465952+02	.000000+00 2051.817 2107.748	.000000+00 19.6622 20.140	.000 45.1677 45.255	.0000 76.242 7.7112	.0000 3.457105+02 2.3128	.0000 1.1205 1.1206
37000.	40.391	327.281 326.459 1.570590+02	.000000+00 2168.778 2227.156	.000000+00 19.9180 20.396	.000 46.0081 46.095	.0000 77.447 7.8751	.0000 3.553136+02 2.3692	.0000 1.1200 1.1201
38000.	41.482	345.157 344.310 1.673079+02	.000000+00 2289.041 2349.773	.000000+00 20.1715 20.649	.000 46.7980 46.884	.0000 78.664 8.0388	.0000 3.649166+02 2.4275	.0000 1.1198 1.1200
39000.	42.574	363.508 362.638 1.774564+02	.000000+00 2412.557 2475.625	.000000+00 20.4184 20.894	.000 47.5494 47.635	.0000 79.894 8.2040	.0000 3.745197+02 2.4876	.0000 1.1202 1.1203
40000.	43.666	382.337 381.442 1.879785+02	.000000+00 2539.306 2604.771	.000000+00 20.6557 21.130	.000 48.2715 48.357	.0000 81.139 8.3699	.0000 3.841228+02 2.5495	.0000 1.1207 1.1208
41000.	44.757	401.642 400.722 1.987833+02	.000000+00 2669.273 2737.106	.000000+00 20.8817 21.354	.000 48.9717 49.057	.0000 82.398 8.5375	.0000 3.937258+02 2.6131	.0000 1.1213 1.1215
42000.	45.849	421.424 420.478 2.090003+02	.000000+00 2802.442 2872.732	.000000+00 21.0947 21.565	.000 49.6560 49.742	.0000 83.672 8.7073	.0000 4.033289+02 2.6783	.0000 1.1223 1.1225
43000.	46.941	441.683 440.710 2.193670+02	.000000+00 2938.799 3011.651	.000000+00 21.2934 21.762	.000 50.3299 50.416	.0000 84.960 8.8790	.0000 4.129320+02 2.7452	.0000 1.1233 1.1235
44000.	48.032	462.418 461.416 2.298427+02	.000000+00 3078.331 3153.968	.000000+00 21.4770 21.945	.000 50.9982 51.085	.0000 86.261 9.0539	.0000 4.225351+02 2.8137	.0000 1.1247 1.1249
45000.	49.124	483.630 482.599 2.403202+02	.000000+00 3221.017 3299.400	.000000+00 21.6438 22.111	.000 51.6654 51.754	.0000 87.577 9.2316	.0000 4.321381+02 2.8836	.0000 1.1262 1.1264
46000.	50.215	505.318 504.256 2.505715+02	.000000+00 3366.847 3447.981	.000000+00 21.7935 22.258	.000 52.3367 52.426	.0000 88.906 9.4125	.0000 4.417412+02 2.9551	.0000 1.1278 1.1280
47000.	51.307	527.483 526.387 2.605421+02	.000000+00 3515.801 3599.819	.000000+00 21.9249 22.388	.000 53.0172 53.109	.0000 90.247 9.5978	.0000 4.513443+02 3.0280	.0000 1.1296 1.1299

ALTITUDE = 310000. FT.

P1 = 7.322901-07 ATM. , RH01 = 1.031019-06 AMA. , T1 = 193.87 K
 S1/R = 36.520 , A1 = 916.05 FT./SEC. , H1/R = 678.554 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 RCP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
48000.	52.399	550.125 548.994 2.700805+02	.000000+00 3667.856 3755.096	.000000+00 22.0367 22.499	.000 53.7124 53.806	.0000 91.600 9.7873	.0000 4.609473+02 3.1022	.0000 1.1317 1.1319
49000.	53.490	573.244 572.075 2.794893+02	.000000+00 3822.989 3913.777	.000000+00 22.1276 22.590	.000 54.4293 54.526	.0000 92.964 9.9828	.0000 4.705504+02 3.1778	.0000 1.1342 1.1345
50000.	54.582	596.839 595.629 2.884956+02	.000000+00 3981.164 4075.768	.000000+00 22.1952 22.658	.000 55.1760 55.276	.0000 94.338 10.1845	.0000 4.801535+02 3.2545	.0000 1.1370 1.1373

ALTITUDE = 320000. FT.

P1 = 4.403215-07 ATM. , RH01 = 5.920666-07 AMA. , T1 = 202.82 K
 S1/R = 37.187 , A1 = 936.96 FT./SEC. , H1/R = 709.874 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 RCP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
6000.	6.404	9.202 8.978 4.552622-01	2.885772+03 48.853 53.772	3.477161+02 6.0541 6.537	8.306 8.0688 8.222	2.3780 41.172 2.3284	1.0002 3.182686+01 1.0015	1.2834 1.2523 1.2416
7000.	7.471	12.163 11.940 7.437278-01	8.762119+03 67.986 73.704	8.473259+02 7.0729 7.593	10.303 9.4836 9.564	2.5725 42.011 2.4208	1.0046 3.713134+01 1.0159	1.2054 1.1403 1.1372
8000.	8.538	15.581 15.377 1.128104+00	2.535417+04 90.869 97.078	2.090778+03 8.4718 8.992	11.912 10.3046 10.356	2.7288 42.926 2.5226	1.0191 4.243581+01 1.0435	1.1566 1.1106 1.1102
9000.	9.606	19.453 19.267 1.620984+00	7.192662+04 116.993 123.646	5.186171+03 9.9421 10.452	13.334 10.9333 10.976	2.9015 43.938 2.6339	1.0411 4.774029+01 1.0789	1.1434 1.1044 1.1046
10000.	10.673	23.782 23.605 2.234908+00	2.000376+05 146.186 153.311	1.268961+04 11.3490 11.843	14.776 11.5258 11.570	3.0959 45.046 2.7600	1.0679 5.304477+01 1.1200	1.1452 1.1080 1.1084
11000.	11.740	28.566 28.391 2.984841+00	5.405931+05 178.275 186.093	3.010602+04 12.5313 13.015	16.375 12.2398 12.289	3.3221 46.231 2.9261	1.0976 5.834924+01 1.1647	1.1577 1.1265 1.1279
12000.	12.807	33.806 33.609 3.898193+00	1.402727+06 212.489 221.531	6.810772+04 12.8881 13.326	18.270 13.7294 13.836	3.5928 47.445 3.3203	1.1284 6.365372+01 1.2027	1.1805 1.2419 1.2491
13000.	13.875	39.502 39.240 5.034835+00	3.446318+06 247.909 259.241	1.443425+05 12.1394 12.600	20.657 16.8184 16.935	3.9234 48.548 3.6158	1.1570 6.895820+01 1.2161	1.2144 1.2024 1.1969
14000.	14.942	45.653 45.369 6.350807+00	7.932423+06 288.205 300.868	2.846659+05 12.5525 13.042	23.648 18.5462 18.617	4.2727 49.571 3.7108	1.1795 7.426267+01 1.2404	1.2340 1.1255 1.1243

ALTITUDE = 320000. FT.

P1 = 4.403215-07 ATM. , RH01 = 5.920666-07 AMA. , T1 = 202.82 K
 S1/R = 37.187 , A1 = 936.96 FT./SEC. , H1/R = 709.874 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
15000.	16.009	52.260 51.973 7.849143+00	1.714031+07 332.470 346.155	5.340036+05 13.3818 13.880	26.829 19.5630 19.618	4.5527 50.602 3.8253	1.1976 7.956715+01 1.2726	1.2163 1.1054 1.1052
16000.	17.077	59.322 59.037 9.582570+00	3.530667+07 380.132 394.689	9.726830+05 14.3180 14.817	29.856 20.3159 20.363	4.8001 51.669 3.9406	1.2170 8.487163+01 1.3095	1.1956 1.0980 1.0980
17000.	18.144	66.840 66.558 1.153879+01	7.002838+07 431.024 446.366	1.729387+06 15.2773 15.774	32.716 20.9395 20.982	5.0487 52.777 4.0561	1.2389 9.017610+01 1.3501	1.1857 1.0949 1.0950
18000.	19.211	74.814 74.533 1.372895+01	1.346886+08 485.079 501.297	3.005469+06 16.2261 16.721	35.508 21.4888 21.528	5.3042 53.931 4.1728	1.2633 9.548058+01 1.3940	1.1825 1.0939 1.0940
19000.	20.278	83.243 82.963 1.616355+01	2.520605+08 542.261 559.297	5.105324+06 17.1454 17.637	38.312 21.9930 22.030	5.5707 55.130 4.2916	1.2900 1.007851+02 1.4409	1.1839 1.0939 1.0940
20000.	21.346	92.128 91.848 1.888398+01	4.592416+08 602.545 620.472	8.466226+06 18.0231 18.512	41.172 22.4702 22.506	5.8508 56.374 4.4136	1.3188 1.060895+02 1.4907	1.1887 1.0946 1.0947
21000.	22.413	101.469 101.186 2.189783+01	8.160392+08 665.914 684.672	1.371290+07 18.8498 19.333	44.123 22.9343 22.970	6.1474 57.662 4.5393	1.3501 1.113940+02 1.5433	1.1961 1.0958 1.0960
22000.	23.480	111.265 110.978 2.521249+01	1.414032+09 732.348 752.032	2.167163+07 19.6177 20.097	47.184 23.3967 23.432	6.4660 58.993 4.6700	1.3842 1.166985+02 1.5986	1.2070 1.0976 1.0978
23000.	24.548	121.517 121.225 2.884750+01	2.389627+09 801.824 822.592	3.339526+07 20.3172 20.794	50.371 23.8708 23.906	6.8097 60.363 4.8067	1.4220 1.220030+02 1.6564	1.2207 1.0999 1.1000
24000.	25.615	132.225 131.925 3.282389+01	3.937994+09 874.313 896.233	5.014582+07 20.9379 21.412	53.682 24.3722 24.409	7.1834 61.769 4.9518	1.4643 1.273074+02 1.7165	1.2376 1.1032 1.1034
25000.	26.682	143.388 143.078 3.716245+01	6.325969+09 949.756 973.114	7.331196+07 21.4573 21.932	57.120 24.9307 24.970	7.5917 63.208 5.1109	1.5121 1.326119+02 1.7787	1.2581 1.1086 1.1089
26000.	27.749	155.007 154.683 4.191645+01	9.910806+09 1028.043 1053.019	1.044154+08 21.8349 22.308	60.669 25.6015 25.645	8.0346 64.673 5.2928	1.5661 1.379164+02 1.8424	1.2810 1.1175 1.1179
27000.	28.817	167.081 166.737 4.721111+01	1.514657+10 1108.917 1135.743	1.450213+08 21.9803 22.447	64.309 26.5142 26.570	8.4910 66.151 5.5264	1.6257 1.432209+02 1.9062	1.3002 1.1360 1.1369
28000.	29.884	179.611 179.227 5.320601+01	2.259091+10 1191.434 1220.766	1.971552+08 21.5855 22.028	67.966 28.1439 28.239	8.8727 67.618 5.9401	1.6876 1.485253+02 1.9645	1.2941 1.1962 1.1992

ALTITUDE = 320000. FT.

P1 = 4.403215-07 ATM. , RHO1 = 5.920666-07 AMA. , T1 = 202.82 K
 S1/R = 37.187 , A1 = 936.96 FT./SEC. , H1/R = 709.874 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 RCP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
29000.	30.951	192.597 192.124 6.026273+01	.000000+00 1273.540 1307.168	.000000+00 20.1302 20.553	.000 31.6750 31.828	.0000 69.004 6.5003	.0000 1.538298+02 2.0002	.0000 1.2543 1.2514
30000.	32.019	206.038 205.487 6.722893+01	.000000+00 1359.683 1397.303	.000000+00 19.2709 19.724	.000 34.7848 34.905	.0000 70.275 6.6478	.0000 1.591343+02 2.0317	.0000 1.1766 1.1750
31000.	33.086	219.935 219.335 7.413954+01	.000000+00 1450.982 1491.578	.000000+00 19.0787 19.544	.000 36.7864 36.887	.0000 71.494 6.8092	.0000 1.644388+02 2.0710	.0000 1.1449 1.1443
32000.	34.153	234.288 233.652 8.096297+01	.000000+00 1546.320 1589.466	.000000+00 19.1417 19.613	.000 38.2597 38.350	.0000 72.696 6.9760	.0000 1.697433+02 2.1153	.0000 1.1313 1.1311
33000.	35.220	249.096 248.432 8.821587+01	.000000+00 1645.217 1690.764	.000000+00 19.3169 19.792	.000 39.4495 39.534	.0000 73.894 7.1409	.0000 1.750477+02 2.1630	.0000 1.1244 1.1243
34000.	36.288	264.360 263.672 9.535630+01	.000000+00 1747.476 1795.365	.000000+00 19.5472 20.025	.000 40.4660 40.547	.0000 75.096 7.3035	.0000 1.803522+02 2.2134	.0000 1.1206 1.1206
35000.	37.355	280.080 279.369 1.030048+02	.000000+00 1852.992 1903.132	.000000+00 19.8041 20.283	.000 41.3668 41.446	.0000 76.308 7.4643	.0000 1.856567+02 2.2662	.0000 1.1184 1.1185
36000.	38.422	296.255 295.522 1.108180+02	.000000+00 1961.706 2014.043	.000000+00 20.0730 20.552	.000 42.1860 42.263	.0000 77.530 7.6250	.0000 1.909612+02 2.3211	.0000 1.1174 1.1175
37000.	39.490	312.886 312.132 1.186519+02	.000000+00 2073.575 2128.139	.000000+00 20.3436 20.822	.000 42.9452 43.022	.0000 78.765 7.7851	.0000 1.962656+02 2.3780	.0000 1.1169 1.1170
38000.	40.557	329.973 329.198 1.269146+02	.000000+00 2188.573 2245.337	.000000+00 20.6112 21.089	.000 43.6593 43.735	.0000 80.015 7.9455	.0000 2.015701+02 2.4368	.0000 1.1167 1.1168
39000.	41.624	347.515 346.719 1.352738+02	.000000+00 2306.680 2365.638	.000000+00 20.8715 21.348	.000 44.3391 44.415	.0000 81.279 8.1069	.0000 2.068746+02 2.4974	.0000 1.1170 1.1171
40000.	42.691	365.513 364.695 1.428495+02	.000000+00 2427.876 2489.027	.000000+00 21.1216 21.597	.000 44.9927 45.068	.0000 82.558 8.2699	.0000 2.121791+02 2.5598	.0000 1.1176 1.1177
41000.	43.759	383.966 383.126 1.506135+02	.000000+00 2552.146 2615.503	.000000+00 21.3593 21.833	.000 45.6268 45.702	.0000 83.853 8.4340	.0000 2.174835+02 2.6239	.0000 1.1183 1.1184
42000.	44.826	402.875 402.012 1.585471+02	.000000+00 2679.479 2745.075	.000000+00 21.5837 22.055	.000 46.2468 46.323	.0000 85.163 8.6003	.0000 2.227880+02 2.6896	.0000 1.1192 1.1194

ALTITUDE = 320000. FT.

P1 = 4.403215-07 ATM. , RH01 = 5.920666-07 AMA. , T1 = 202.82 K
 S1/R = 37.187 , A1 = 936.96 FT./SEC. , H1/R = 709.874 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
43000.	45.893	422.240 421.352 1.665012+02	.000000+00 2809.859 2877.672	.000000+00 21.7931 22.262	.000 46.8576 46.934	.0000 86.488 8.7689	.0000 2.280925+02 2.7570	.0000 1.1202 1.1204
44000.	46.961	442.060 441.147 1.738353+02	.000000+00 2943.272 3013.506	.000000+00 21.9864 22.453	.000 47.4637 47.541	.0000 87.827 8.9399	.0000 2.333970+02 2.8259	.0000 1.1215 1.1217
45000.	48.028	462.336 461.396 1.810725+02	.000000+00 3079.709 3152.509	.000000+00 22.1630 22.629	.000 48.0694 48.147	.0000 89.182 9.1140	.0000 2.387015+02 2.8964	.0000 1.1228 1.1230
46000.	49.095	483.068 482.100 1.881330+02	.000000+00 3219.150 3294.637	.000000+00 22.3216 22.786	.000 48.6792 48.758	.0000 90.550 9.2915	.0000 2.440059+02 2.9684	.0000 1.1244 1.1246
47000.	50.162	504.255 503.257 1.949505+02	.000000+00 3361.579 3439.885	.000000+00 22.4611 22.925	.000 49.2976 49.378	.0000 91.932 9.4730	.0000 2.493104+02 3.0419	.0000 1.1263 1.1265
48000.	51.230	525.898 524.868 2.016071+02	.000000+00 3506.976 3588.090	.000000+00 22.5803 23.042	.000 49.9305 50.013	.0000 93.326 9.6590	.0000 2.546149+02 3.1167	.0000 1.1283 1.1285
49000.	52.297	547.997 546.933 2.076430+02	.000000+00 3655.317 3739.456	.000000+00 22.6777 23.138	.000 50.5841 50.669	.0000 94.732 9.8507	.0000 2.599194+02 3.1928	.0000 1.1307 1.1309
50000.	53.364	570.551 569.450 2.128023+02	.000000+00 3806.571 3894.296	.000000+00 22.7510 23.213	.000 51.2662 51.354	.0000 96.149 10.0486	.0000 2.652238+02 3.2701	.0000 1.1334 1.1337

ALTITUDE = 330000. FT.

P1 = 2.709440-07 ATM. , RH01 = 3.467345-07 AMA. , T1 = 212.81 K
 S1/R = 37.840 , A1 = 959.76 FT./SEC. , H1/R = 744.852 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	6.252	8.816 8.603 3.507683-01	2.491955+03 46.533 51.223	3.142630+02 6.0470 6.535	7.945 7.7020 7.842	2.3781 41.728 2.3185	1.0004 1.789200+01 1.0019	1.2786 1.2410 1.2295
7000.	7.293	11.639 11.430 5.716176-01	7.560163+03 64.850 70.243	7.707004+02 7.1387 7.661	9.775 8.9586 9.029	2.5558 42.572 2.4051	1.0059 2.087400+01 1.0178	1.1937 1.1336 1.1310
8000.	8.335	14.896 14.707 8.657100-01	2.203802+04 86.679 92.513	1.928230+03 8.5817 9.103	11.209 9.6913 9.737	2.7067 43.500 2.5052	1.0220 2.385600+01 1.0462	1.1491 1.1074 1.1071
9000.	9.377	18.587 18.414 1.242639+00	6.327382+04 111.572 117.803	4.857065+03 10.0863 10.596	12.490 10.2609 10.299	2.8761 44.531 2.6146	1.0455 2.683799+01 1.0821	1.1383 1.1021 1.1023

ALTITUDE = 330000. FT.

P1 = 2.709440-07 ATM. , RHO1 = 3.467345-07 AMA. , T1 = 212.81 K
 S1/R = 37.840 , A1 = 959.76 FT./SEC. , H1/R = 744.852 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 RCP/R1	TO/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
10000.	10.419	22.712 22.548 1.712378+00	1.785468+05 139.376 146.094	1.207865+04 11.5190 12.019	13.804 10.8079 10.844	3.0675 45.660 2.7392	1.0734 2.981999+01 1.1236	1.1411 1.1061 1.1065
11000.	11.461	27.272 27.109 2.285468+00	4.901548+05 169.939 177.230	2.913663+04 12.7224 13.197	15.271 11.4690 11.520	3.2913 46.868 2.9064	1.1042 3.280199+01 1.1685	1.1544 1.1262 1.1277
12000.	12.503	32.266 32.079 2.986418+00	1.290690+06 202.363 210.927	6.687315+04 12.9580 13.390	17.033 12.9997 13.107	3.5627 48.101 3.3371	1.1358 3.578399+01 1.2047	1.1790 1.2602 1.2673
13000.	13.545	37.694 37.447 3.841763+00	3.213337+06 236.123 246.818	1.432713+05 12.2147 12.679	19.303 15.9244 16.027	3.9017 49.209 3.5875	1.1646 3.876599+01 1.2175	1.2168 1.1903 1.1852
14000.	14.587	43.556 43.292 4.819863+00	7.467859+06 274.625 286.545	2.843905+05 12.7036 13.195	22.185 17.4540 17.517	4.2524 50.244 3.6827	1.1865 4.174799+01 1.2427	1.2345 1.1206 1.1196
15000.	15.629	49.852 49.587 5.937074+00	1.625758+07 316.832 329.670	5.376420+05 13.5736 14.072	25.171 18.3645 18.414	4.5183 51.292 3.7952	1.2042 4.472999+01 1.2753	1.2103 1.1024 1.1021
16000.	16.671	56.583 56.320 7.318149+00	3.375011+07 362.247 375.864	9.889746+05 14.5396 15.038	27.946 19.0457 19.087	4.7568 52.378 3.9084	1.2240 4.771199+01 1.3125	1.1886 1.0956 1.0956
17000.	17.713	63.748 63.488 8.816012+00	6.758283+07 410.729 425.111	1.778618+06 15.5263 16.023	30.551 19.6115 19.649	4.9993 53.508 4.0217	1.2467 5.069399+01 1.3534	1.1791 1.0928 1.0928
18000.	18.755	71.347 71.089 1.049219+01	1.312747+08 462.220 477.329	3.126483+06 16.5008 16.994	33.094 20.1108 20.146	5.2487 54.685 4.1362	1.2718 5.367599+01 1.3975	1.1761 1.0918 1.0919
19000.	19.797	79.381 79.123 1.235809+01	2.481908+08 516.684 532.603	5.372704+06 17.4438 17.935	35.650 20.5708 20.604	5.5083 55.909 4.2531	1.2989 5.665799+01 1.4447	1.1775 1.0918 1.0919
20000.	20.839	87.849 87.591 1.442266+01	4.570566+08 574.102 590.864	9.016872+06 18.3447 18.834	38.264 21.0062 21.039	5.7801 57.179 4.3728	1.3279 5.963999+01 1.4947	1.1816 1.0926 1.0927
21000.	21.880	96.751 96.491 1.671656+01	8.212415+08 634.458 652.025	1.478837+07 19.1936 19.678	40.968 21.4300 21.462	6.0673 8.496 4.4965	1.3587 6.262199+01 1.5475	1.1883 1.0938 1.0939
22000.	22.922	106.087 105.824 1.924520+01	1.439106+09 697.732 716.111	2.367425+07 19.9819 20.461	43.781 21.8534 21.885	6.3706 59.856 4.6251	1.3917 6.560399+01 1.6030	1.1969 1.0956 1.0957
23000.	23.964	115.857 115.589 2.201924+01	2.460521+09 763.905 783.298	3.698705+07 20.7008 21.178	46.716 22.2880 22.320	6.6956 61.257 4.7599	1.4274 6.858599+01 1.6610	1.2081 1.0980 1.0981

ALTITUDE = 330000. FT.

P1 = 2.709440-07 ATM. , RH01 = 3.467345-07 AMA. , T1 = 212.81 K
 S1/R = 37.840 , A1 = 959.76 FT./SEC. , H1/R = 744.852 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
24000.	25.006	126.062 125.787 2.505527+01	4.105725+09 832.944 853.463	5.637814+07 21.3368 21.813	49.784 22.7505 22.784	7.0454 62.696 4.9031	1.4663 7.156798+01 1.7214	1.2219 1.1013 1.1014
25000.	26.048	136.701 136.417 2.837816+01	6.684574+09 904.801 926.598	8.378352+07 21.8709 22.345	52.987 23.2655 23.301	7.4273 64.167 5.0593	1.5093 7.454998+01 1.7838	1.2395 1.1063 1.1065
26000.	27.090	147.774 147.478 3.199471+01	1.061831+10 979.364 1002.697	1.213629+08 22.2570 22.731	56.319 23.8890 23.929	7.8378 65.666 5.2401	1.5572 7.753198+01 1.8478	1.2587 1.1155 1.1159
27000.	28.132	159.282 158.966 3.599598+01	1.645988+10 1056.369 1081.398	1.714314+08 22.3917 22.857	59.767 24.7553 24.806	8.2796 67.178 5.4763	1.6103 8.051398+01 1.9117	1.2799 1.1355 1.1364
28000.	29.174	171.223 170.868 4.061683+01	2.492163+10 1134.793 1162.271	2.365684+08 21.9063 22.344	63.303 26.3836 26.476	8.7266 68.676 5.9224	1.6681 8.349598+01 1.9693	1.2959 1.2054 1.2088
29000.	30.216	183.599 183.157 4.601881+01	3.687741+10 1212.674 1244.406	3.204766+08 20.3067 20.732	66.846 29.9006 30.040	9.0473 70.080 6.4506	1.7255 8.647798+01 2.0028	1.2752 1.2462 1.2428
30000.	31.258	196.410 195.897 5.129225+01	.000000+00 1295.002 1330.355	.000000+00 19.5193 19.975	.000 32.6933 32.799	.0000 71.368 6.5851	.0000 8.945998+01 2.0354	.0000 1.1686 1.1672
31000.	32.300	209.654 209.099 5.639432+01	.000000+00 1382.159 1420.219	.000000+00 19.3739 19.841	.000 34.4757 34.564	.0000 72.608 6.7446	.0000 9.244198+01 2.0758	.0000 1.1398 1.1393
32000.	33.342	223.333 222.747 6.156812+01	.000000+00 1473.083 1513.454	.000000+00 19.4668 19.940	.000 35.7938 35.874	.0000 73.832 6.9079	.0000 9.542398+01 2.1208	.0000 1.1273 1.1271
33000.	34.384	237.446 236.835 6.686688+01	.000000+00 1567.364 1609.884	.000000+00 19.6649 20.140	.000 36.8622 36.937	.0000 75.056 7.0694	.0000 9.840598+01 2.1692	.0000 1.1209 1.1208
34000.	35.425	251.993 251.360 7.236162+01	.000000+00 1664.827 1709.510	.000000+00 19.9143 20.392	.000 37.7771 37.849	.0000 76.286 7.2286	.0000 1.013880+02 2.2201	.0000 1.1174 1.1174
35000.	36.467	266.974 266.322 7.778591+01	.000000+00 1765.389 1812.181	.000000+00 20.1886 20.668	.000 38.5895 38.659	.0000 77.525 7.3865	.0000 1.043700+02 2.2734	.0000 1.1154 1.1155
36000.	37.509	282.390 281.718 8.355140+01	.000000+00 1868.977 1917.810	.000000+00 20.4726 20.952	.000 39.3290 39.398	.0000 78.777 7.5435	.0000 1.073520+02 2.3288	.0000 1.1143 1.1144
37000.	38.551	298.240 297.549 8.953603+01	.000000+00 1975.574 2026.415	.000000+00 20.7581 21.237	.000 40.0149 40.083	.0000 80.043 7.7005	.0000 1.103340+02 2.3862	.0000 1.1139 1.1140

ALTITUDE = 330000. FT.

P1 = 2.709440-07 ATM. , RH01 = 3.467345-07 AMA. , T1 = 212.81 K
 S1/R = 37.840 , A1 = 959.76 FT./SEC. , H1/R = 744.852 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
38000.	39.593	314.524 313.815 9.536168+01	.000000+00 2085.147 2138.023	.000000+00 21.0392 21.517	.000 40.6607 40.728	.0000 81.324 7.8581	.0000 1.133160+02 2.4455	.0000 1.1140 1.1141
39000.	40.635	331.242 330.514 1.014544+02	.000000+00 2197.678 2252.622	.000000+00 21.3120 21.789	.000 41.2756 41.343	.0000 82.620 8.0165	.0000 1.162980+02 2.5065	.0000 1.1142 1.1144
40000.	41.677	348.395 347.648 1.078099+02	.000000+00 2313.152 2370.114	.000000+00 21.5741 22.050	.000 41.8673 41.934	.0000 83.933 8.1760	.0000 1.192800+02 2.5693	.0000 1.1147 1.1148
41000.	42.719	365.982 365.214 1.141832+02	.000000+00 2431.554 2490.587	.000000+00 21.8235 22.298	.000 42.4416 42.508	.0000 85.262 8.3370	.0000 1.222620+02 2.6339	.0000 1.1154 1.1155
42000.	43.761	384.003 383.215 1.202974+02	.000000+00 2552.873 2613.956	.000000+00 22.0586 22.531	.000 43.0033 43.070	.0000 86.607 8.5000	.0000 1.252440+02 2.7001	.0000 1.1163 1.1164
43000.	44.803	402.458 401.648 1.264691+02	.000000+00 2677.097 2740.268	.000000+00 22.2785 22.748	.000 43.5571 43.624	.0000 87.968 8.6654	.0000 1.282260+02 2.7679	.0000 1.1173 1.1174
44000.	45.845	421.348 420.515 1.326608+02	.000000+00 2804.212 2869.518	.000000+00 22.4818 22.949	.000 44.1067 44.175	.0000 89.345 8.8334	.0000 1.312080+02 2.8373	.0000 1.1185 1.1187
45000.	46.887	440.671 439.815 1.387522+02	.000000+00 2934.205 3001.701	.000000+00 22.6674 23.132	.000 44.6564 44.725	.0000 90.737 9.0041	.0000 1.341900+02 2.9083	.0000 1.1198 1.1200
46000.	47.929	460.430 459.548 1.442629+02	.000000+00 3067.064 3137.069	.000000+00 22.8346 23.298	.000 45.2101 45.280	.0000 92.144 9.1781	.0000 1.371720+02 2.9807	.0000 1.1213 1.1215
47000.	48.970	480.622 479.713 1.493652+02	.000000+00 3202.772 3275.431	.000000+00 22.9822 23.445	.000 45.7725 45.843	.0000 93.565 9.3565	.0000 1.401540+02 3.0547	.0000 1.1231 1.1233
48000.	50.012	501.248 500.311 1.538877+02	.000000+00 3341.309 3416.751	.000000+00 23.1086 23.571	.000 46.3484 46.421	.0000 94.999 9.5392	.0000 1.431360+02 3.1300	.0000 1.1252 1.1254
49000.	51.054	522.309 521.342 1.576289+02	.000000+00 3482.653 3560.978	.000000+00 23.2124 23.675	.000 46.9439 47.019	.0000 96.446 9.7271	.0000 1.461180+02 3.2066	.0000 1.1275 1.1277
50000.	52.096	543.804 542.802 1.609945+02	.000000+00 3626.627 3708.129	.000000+00 23.2904 23.753	.000 47.5666 47.644	.0000 97.904 9.9221	.0000 1.491000+02 3.2844	.0000 1.1302 1.1305

ALTITUDE = 340000. FT.

P1 = 1.717009-07 ATM. , RH01 = 2.050837-07 AMA. , T1 = 227.24 K
 S1/R = 38.525 , A1 = 991.76 FT./SEC. , H1/R = 795.349 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
6000.	6.050	8.320 8.119 2.724109-01	2.041626+03 43.481 47.870	2.743707+02 6.0362 6.529	7.480 7.2305 7.355	2.3777 42.283 2.3079	1.0005 1.001696+01 1.0026	1.2712 1.2276 1.2157
7000.	7.058	10.963 10.771 4.424541-01	6.185745+03 60.682 65.667	6.781102+02 7.2035 7.727	9.105 8.3184 8.380	2.5377 43.132 2.3905	1.0076 1.168645+01 1.0200	1.1812 1.1274 1.1252
8000.	8.066	14.014 13.841 6.687449-01	1.817494+04 81.100 86.475	1.721464+03 8.6905 9.212	10.356 8.9599 9.000	2.6843 44.073 2.4889	1.0254 1.335595+01 1.0491	1.1419 1.1043 1.1041
9000.	9.075	17.470 17.313 9.585596-01	5.284621+04 104.359 110.078	4.405955+03 10.2285 10.736	11.488 9.4665 9.501	2.8503 45.122 2.5965	1.0501 1.502544+01 1.0854	1.1333 1.0999 1.1001
10000.	10.083	21.334 21.185 1.319565+00	1.514207+05 130.333 136.464	1.114404+04 11.6912 12.183	12.663 9.9579 9.994	3.0390 46.272 2.7197	1.0792 1.669493+01 1.1272	1.1373 1.1044 1.1049
11000.	11.091	25.604 25.456 1.760693+00	4.224297+05 158.855 165.618	2.734048+04 12.8914 13.376	13.987 10.5840 10.624	3.2604 47.502 2.8893	1.1110 1.836443+01 1.1722	1.1512 1.1266 1.1281
12000.	12.100	30.280 30.107 2.301387+00	1.129913+06 188.986 196.952	6.370472+04 12.9950 13.419	15.602 12.1298 12.237	3.5337 48.752 3.3571	1.1434 2.003392+01 1.2063	1.1779 1.2789 1.2849
13000.	13.108	35.364 35.136 2.958995+00	2.850276+06 220.571 230.474	1.378676+05 12.2901 12.758	17.739 14.8172 14.906	3.8837 49.863 3.5604	1.1722 2.170341+01 1.2190	1.2207 1.1786 1.1741
14000.	14.116	40.854 40.613 3.710393+00	6.682973+06 256.639 267.664	2.751849+05 12.8524 13.347	20.475 16.1464 16.201	4.2312 50.909 3.6560	1.1929 2.337291+01 1.2450	1.2334 1.1160 1.1151
15000.	15.125	46.751 46.509 4.568366+00	1.465583+07 296.099 307.904	5.246510+05 13.7610 14.260	23.210 16.9494 16.992	4.4821 51.974 3.7665	1.2105 2.504240+01 1.2781	1.2033 1.0995 1.0993
16000.	16.133	53.054 52.815 5.542472+00	3.067840+07 338.535 351.077	9.754699+05 14.7576 15.257	25.696 17.5541 17.591	4.7127 53.079 3.8777	1.2310 2.671189+01 1.3156	1.1816 1.0933 1.0933
17000.	17.141	59.764 59.528 6.639368+00	6.202938+07 383.826 397.068	1.774933+06 15.7710 16.269	28.018 18.0592 18.093	4.9484 54.231 3.9890	1.2545 2.838139+01 1.3567	1.1723 1.0908 1.0908
18000.	18.150	66.881 66.647 7.865365+00	1.217375+08 431.920 445.831	3.157063+06 16.7691 17.264	30.289 18.5070 18.538	5.1924 55.431 4.1016	1.2804 3.005088+01 1.4011	1.1698 1.0898 1.0899
19000.	19.158	74.405 74.171 9.226974+00	2.326312+08 482.793 497.383	5.490318+06 17.7365 18.228	32.574 18.9188 18.948	5.4455 56.679 4.2163	1.3083 3.172037+01 1.4484	1.1709 1.0899 1.0900

ALTITUDE = 340000. FT.

P1 = 1.717009-07 ATM. , RHO1 = 2.050837-07 AMA. , T1 = 227.24 K
 S1/R = 38.525 , A1 = 991.76 FT./SEC. , H1/R = 795.349 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 RCP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
20000.	20.166	82.335 82.101 1.073073+01	4.333169+08 536.422 551.750	9.329896+06 18.6596 19.148	34.918 19.3106 19.339	5.7116 57.976 4.3342	1.3378 3.338987+01 1.4986	1.1753 1.0906 1.0907
21000.	21.174	90.671 90.436 1.283023+01	7.870265+08 592.794 608.929	1.548527+07 19.5307 20.017	37.345 19.6914 19.719	5.9886 59.320 4.4558	1.3688 3.505936+01 1.5516	1.1806 1.0918 1.0919
22000.	22.183	99.415 99.177 1.476540+01	1.395338+09 651.893 668.765	2.511124+07 20.3396 20.820	39.878 20.0724 20.100	6.2827 60.709 4.5823	1.4015 3.672885+01 1.6073	1.1885 1.0936 1.0937
23000.	23.191	108.565 108.323 1.689225+01	2.413977+09 713.697 731.448	3.975544+07 21.0771 21.554	42.529 20.4647 20.493	6.5945 62.140 4.7152	1.4360 3.839835+01 1.6655	1.1983 1.0960 1.0962
24000.	24.199	118.122 117.874 1.922120+01	4.076933+09 778.180 796.985	6.144589+07 21.7300 22.206	45.310 20.8831 20.913	6.9262 63.610 4.8566	1.4728 4.006784+01 1.7261	1.2097 1.0994 1.0996
25000.	25.208	128.085 127.829 2.177111+01	6.720883+09 845.291 865.275	9.267164+07 22.2755 22.751	48.224 21.3528 21.384	7.2831 65.115 5.0110	1.5126 4.173733+01 1.7888	1.2238 1.1044 1.1046
26000.	26.216	138.456 138.188 2.457644+01	1.081507+10 914.932 936.327	1.363411+08 22.6700 23.145	51.276 21.9232 21.958	7.6681 66.647 5.1896	1.5559 4.340683+01 1.8530	1.2403 1.1135 1.1139
27000.	27.224	149.232 148.947 2.762516+01	1.699411+10 986.831 1009.763	1.957430+08 22.7927 23.258	54.457 22.7323 22.779	8.0827 68.193 5.4292	1.6035 4.507632+01 1.9170	1.2591 1.1350 1.1359
28000.	28.233	160.416 160.092 3.118813+01	2.608584+10 1059.898 1085.156	2.744417+08 22.2018 22.634	57.756 24.3410 24.431	8.5176 69.719 5.9134	1.6552 4.674581+01 1.9737	1.2771 1.2164 1.2204
29000.	29.241	172.006 171.599 3.533144+01	3.913793+10 1132.403 1161.770	3.763948+08 20.4800 20.909	61.138 27.7441 27.867	8.9483 71.140 6.3973	1.7106 4.841531+01 2.0053	1.2885 1.2359 1.2324
30000.	30.249	184.003 183.535 3.931956+01	5.749028+10 1209.566 1242.134	5.082479+08 19.7690 20.227	64.524 30.1977 30.289	9.2151 72.444 6.5249	1.7632 5.008480+01 2.0391	1.2561 1.1612 1.1600
31000.	31.258	196.407 195.902 4.320376+01	.000000+00 1291.138 1326.127	.000000+00 19.6677 20.137	.000 31.7600 31.837	.0000 73.705 6.6823	.0000 5.175429+01 2.0804	.0000 1.1349 1.1345
32000.	32.266	209.217 208.686 4.726148+01	.000000+00 1376.163 1413.244	.000000+00 19.7894 20.263	.000 32.9214 32.991	.0000 74.953 6.8427	.0000 5.342379+01 2.1262	.0000 1.1235 1.1233
33000.	33.274	222.434 221.881 5.116147+01	.000000+00 1464.295 1503.291	.000000+00 20.0099 20.486	.000 33.8661 33.931	.0000 76.202 7.0011	.0000 5.509328+01 2.1751	.0000 1.1176 1.1176

ALTITUDE = 340000. FT.

P1 = 1.717009-07 ATM. , RHO1 = 2.050837-07 AMA. , T1 = 227.24 K
 S1/R = 38.525 , A1 = 991.76 FT./SEC. , H1/R = 795.349 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 R0P/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
34000.	34.282	236.057 235.486 5.532882+01	.000000+00 1555.382 1596.302	.000000+00 20.2777 20.756	.000 34.6772 34.740	.00000 77.459 7.1572	.0000 5.676277+01 2.2266	.0000 1.1144 1.1144
35000.	35.291	250.087 249.499 5.957125+01	.000000+00 1649.351 1692.191	.000000+00 20.5685 21.048	.000 35.3984 35.459	.0000 78.726 7.3119	.0000 5.843227+01 2.2804	.0000 1.1126 1.1127
36000.	36.299	264.524 263.919 6.372028+01	.000000+00 1746.149 1790.864	.000000+00 20.8676 21.348	.000 36.0558 36.116	.0000 80.007 7.4659	.0000 6.010176+01 2.3362	.0000 1.1116 1.1117
37000.	37.307	279.368 278.746 6.809315+01	.000000+00 1845.749 1892.261	.000000+00 21.1670 21.646	.000 36.6662 36.725	.0000 81.303 7.6199	.0000 6.177125+01 2.3940	.0000 1.1113 1.1114
38000.	38.316	294.618 293.980 7.269083+01	.000000+00 1948.126 1996.481	.000000+00 21.4611 21.940	.000 37.2410 37.300	.0000 82.615 7.7743	.0000 6.344075+01 2.4537	.0000 1.1112 1.1113
39000.	39.324	310.275 309.620 7.712721+01	.000000+00 2053.267 2103.480	.000000+00 21.7467 22.224	.000 37.7889 37.847	.0000 83.944 7.9295	.0000 6.511024+01 2.5152	.0000 1.1114 1.1115
40000.	40.332	326.339 325.667 8.163167+01	.000000+00 2161.155 2213.191	.000000+00 22.0210 22.497	.000 38.3163 38.374	.0000 85.289 8.0863	.0000 6.677973+01 2.5784	.0000 1.1119 1.1121
41000.	41.341	342.809 342.120 8.628140+01	.000000+00 2271.778 2325.659	.000000+00 22.2816 22.756	.000 38.8282 38.886	.0000 86.652 8.2446	.0000 6.844923+01 2.6434	.0000 1.1127 1.1128
42000.	42.349	359.686 358.978 9.106888+01	.000000+00 2385.126 2440.907	.000000+00 22.5276 23.000	.000 39.3295 39.388	.0000 88.032 8.4047	.0000 7.011872+01 2.7100	.0000 1.1135 1.1136
43000.	43.357	376.970 376.243 9.580766+01	.000000+00 2501.186 2558.979	.000000+00 22.7573 23.228	.000 39.8236 39.882	.0000 89.428 8.5668	.0000 7.178821+01 2.7782	.0000 1.1145 1.1146
44000.	44.366	394.660 393.913 1.004297+02	.000000+00 2619.950 2679.698	.000000+00 22.9705 23.439	.000 40.3144 40.374	.0000 90.842 8.7316	.0000 7.345771+01 2.8481	.0000 1.1156 1.1158
45000.	45.374	412.757 411.989 1.050143+02	.000000+00 2741.405 2803.154	.000000+00 23.1654 23.632	.000 40.8056 40.865	.0000 92.271 8.8994	.0000 7.512720+01 2.9195	.0000 1.1170 1.1171
46000.	46.382	431.260 430.470 1.095130+02	.000000+00 2865.537 2929.320	.000000+00 23.3411 23.805	.000 41.3006 41.361	.0000 93.716 9.0706	.0000 7.679669+01 2.9924	.0000 1.1185 1.1187
47000.	47.390	450.171 449.357 1.138686+02	.000000+00 2992.331 3058.489	.000000+00 23.4964 23.959	.000 41.8038 41.865	.0000 95.176 9.2456	.0000 7.846619+01 3.0667	.0000 1.1202 1.1204

ALTITUDE = 340000. FT.

P1 = 1.717009-07 ATM. , RHO1 = 2.050837-07 AMA. , T1 = 227.24 K
 S1/R = 38.525 , A1 = 991.76 FT./SEC. , H1/R = 795.349 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 RCP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
48000.	48.399	469.488 468.649 1.179640+02	.000000+00 3121.771 3190.531	.000000+00 23.6301 24.093	.000 42.3197 42.383	.0000 96.650 9.4248	.0000 8.013568+01 3.1425	.0000 1.1221 1.1223
49000.	49.407	489.211 488.345 1.215984+02	.000000+00 3253.837 3325.316	.000000+00 23.7405 24.203	.000 42.8541 42.919	.0000 98.137 9.6099	.0000 8.180517+01 3.2196	.0000 1.1244 1.1246
50000.	50.415	509.342 508.447 1.245709+02	.000000+00 3388.573 3462.808	.000000+00 23.8248 24.287	.000 43.4139 43.481	.0000 99.636 9.8012	.0000 8.347467+01 3.2980	.0000 1.1271 1.1273

ALTITUDE = 350000. FT.

P1 = 1.121046-07 ATM. , RHO1 = 1.255401-07 AMA. , T1 = 241.55 K
 S1/R = 39.166 , A1 = 1022.51 FT./SEC. , H1/R = 845.438 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 RCP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	5.868	7.886 7.697 2.151781-01	1.698067+03 40.820 44.942	2.422207+02 6.0310 6.530	7.069 6.8127 6.923	2.3750 42.804 2.2969	1.0008 5.831043+00 1.0033	1.2622 1.2144 1.2025
7000.	6.846	10.373 10.196 3.483793-01	5.142731+03 57.034 61.663	6.039590+02 7.2665 7.792	8.513 7.7612 7.814	2.5201 43.658 2.3771	1.0094 6.802883+00 1.0220	1.1700 1.1220 1.1201
8000.	7.824	13.243 13.084 5.255342-01	1.523483+04 76.214 81.192	1.554745+03 8.7943 9.315	9.614 8.3277 8.364	2.6636 44.612 2.4740	1.0286 7.774723+00 1.0517	1.1358 1.1017 1.1015
9000.	8.802	16.494 16.350 7.522941-01	4.485390+04 98.041 103.329	4.040338+03 10.3621 10.868	10.625 8.7832 8.815	2.8267 45.678 2.5799	1.0544 8.746564+00 1.0885	1.1291 1.0980 1.0982
10000.	9.780	20.129 19.993 1.034606+00	1.304096+05 122.412 128.057	1.038465+04 11.819 12.338	11.686 9.2286 9.265	3.0129 46.847 2.7019	1.0845 9.718404+00 1.1306	1.1339 1.1029 1.1034
11000.	10.758	24.146 24.010 1.379620+00	3.692998+05 149.160 155.370	2.587708+04 13.0604 13.533	12.892 9.8123 9.855	3.2324 48.099 2.8742	1.1171 1.069024+01 1.1756	1.1485 1.1270 1.1288
12000.	11.736	28.546 28.383 1.804434+00	1.002505+06 177.265 184.722	6.114447+04 13.0088 13.428	14.386 11.3923 11.498	3.5084 49.362 3.3738	1.1502 1.166209+01 1.2074	1.1777 1.2941 1.2980
13000.	12.714	33.328 33.116 2.318590+00	2.558677+06 206.975 216.200	1.334293+05 12.3665 12.838	16.419 13.8492 13.926	3.8704 50.476 3.5355	1.1787 1.263393+01 1.2204	1.2254 1.1684 1.1643
14000.	13.692	38.493 38.271 2.905725+00	6.045019+06 240.899 251.122	2.675760+05 12.9947 13.490	19.027 15.0150 15.063	4.2108 51.534 3.6315	1.1982 1.360577+01 1.2472	1.2312 1.1121 1.1114

ALTITUDE = 350000. FT.

P1 = 1.121046-07 ATM. , RHO1 = 1.255401-07 AMA. , T1 = 241.55 K
 S1/R = 39.166 , A1 = 1022.51 FT./SEC. , H1/R = 845.438 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
15000.	14.670	44.040 43.819 3.576341+00	1.334845+07 277.950 288.874	5.145837+05 13.9387 14.437	21.532 15.7294 15.768	4.4473 52.614 3.7403	1.2158 1.457761+01 1.2806	1.1961 1.0969 1.0968
16000.	15.648	49.970 49.751 4.337700+00	2.816462+07 317.775 329.362	9.667125+05 14.9623 15.462	23.768 16.2723 16.305	4.6715 53.737 3.8495	1.2371 1.554945+01 1.3184	1.1750 1.0913 1.0913
17000.	16.626	56.283 56.067 5.194981+00	5.745148+07 360.272 372.484	1.777857+06 15.9999 16.498	25.853 16.7274 16.757	4.9026 54.909 3.9590	1.2615 1.652129+01 1.3598	1.1668 1.0889 1.0890
18000.	17.604	62.978 62.764 6.153495+00	1.138918+08 405.395 418.257	3.198352+06 17.0216 17.517	27.897 17.1313 17.159	5.1417 56.130 4.0698	1.2882 1.749313+01 1.4043	1.1646 1.0882 1.0882
19000.	18.582	70.056 69.843 7.217578+00	2.198269+08 453.122 466.591	5.623601+06 18.0105 18.502	29.957 17.5039 17.530	5.3909 57.402 4.1828	1.3169 1.846497+01 1.4518	1.1662 1.0882 1.0883
20000.	19.560	77.516 77.303 8.392767+00	4.138394+08 503.436 517.575	9.666484+06 18.9555 19.444	32.075 17.8579 17.883	5.6509 58.723 4.2988	1.3470 1.943681+01 1.5022	1.1701 1.0889 1.0890
21000.	20.538	85.359 85.144 9.684140+00	7.595939+08 556.320 571.239	1.622552+07 19.8456 20.333	34.272 18.2040 18.229	5.9229 60.093 4.4187	1.3785 2.040865+01 1.5554	1.1755 1.0901 1.0902
22000.	21.516	93.584 93.368 1.109447+01	1.360753+09 611.764 627.340	2.660790+07 20.6744 21.155	36.569 18.5494 18.574	6.2083 61.509 4.5433	1.4113 2.138049+01 1.6112	1.1822 1.0918 1.0919
23000.	22.494	102.192 101.972 1.263064+01	2.379069+09 669.747 686.101	4.261182+07 21.4298 21.907	38.978 18.9058 18.931	6.5095 62.969 4.6743	1.4456 2.235233+01 1.6696	1.1906 1.0942 1.0944
24000.	23.472	111.183 110.957 1.429860+01	4.060695+09 730.242 747.573	6.664061+07 22.0987 22.575	41.510 19.2872 19.314	6.8296 64.469 4.8139	1.4814 2.332417+01 1.7304	1.2008 1.0976 1.0977
25000.	24.450	120.556 120.323 1.610337+01	6.766094+09 793.202 811.622	1.017395+08 22.6566 23.132	44.173 19.7172 19.746	7.1712 66.004 4.9669	1.5194 2.429601+01 1.7933	1.2130 1.1027 1.1030
26000.	25.428	130.312 130.068 1.805380+01	1.101069+10 858.529 878.275	1.516448+08 23.0548 23.531	46.974 20.2457 20.277	7.5376 67.567 5.1444	1.5599 2.526785+01 1.8576	1.2275 1.1119 1.1123
27000.	26.406	140.450 140.190 2.159672+01	1.750094+10 925.965 947.126	2.206667+08 23.1670 23.632	49.911 21.0041 21.047	7.9292 69.144 5.3866	1.6036 2.623969+01 1.9218	1.2436 1.1346 1.1357
28000.	27.383	150.971 150.674 2.437621+01	2.717644+10 994.329 1017.712	3.135944+08 22.4599 22.888	52.978 22.6052 22.692	8.3454 70.697 5.9124	1.6509 2.721153+01 1.9775	1.2607 1.2289 1.2333

ALTITUDE = 350000. FT.

P1 = 1.121046-07 ATM. , RH01 = 1.2554C1-07 AMA. , T1 = 241.55 K
 S1/R = 39.166 , A1 = 1022.51 FT./SEC. , H1/R = 845.438 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 RCP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
29000.	28.361	161.875 161.497 2.760508+01	4.126296+10 1062.205 1089.515	4.358358+08 20.6481 21.081	56.157 25.8704 25.979	8.7764 72.132 6.3452	1.7014 2.818337+01 2.0077	1.2762 1.2255 1.2220
30000.	29.339	173.161 172.731 3.068868+01	6.130808+10 1134.828 1164.999	5.937006+08 20.0093 20.469	59.410 28.0390 28.119	9.1925 73.452 6.4701	1.7541 2.915521+01 2.0426	1.2837 1.1550 1.1539
31000.	30.317	184.829 184.368 3.374052+01	.000000+00 1211.489 1243.843	.000000+00 19.9474 20.418	.000 29.4220 29.490	.0000 74.733 6.6256	.0000 3.012705+01 2.0847	.0000 1.1309 1.1305
32000.	31.295	196.881 196.396 3.683842+01	.000000+00 1291.339 1325.608	.000000+00 20.0950 20.571	.000 30.4553 30.517	.0000 76.004 6.7831	.0000 3.109889+01 2.1311	.0000 1.1201 1.1200
33000.	32.273	209.314 208.811 4.000535+01	.000000+00 1374.078 1410.088	.000000+00 20.3353 20.813	.000 31.2987 31.356	.0000 77.277 6.9384	.0000 3.207073+01 2.1805	.0000 1.1147 1.1147
34000.	33.251	222.131 221.611 4.315120+01	.000000+00 1459.599 1497.266	.000000+00 20.6205 21.099	.000 32.0243 32.080	.0000 78.558 7.0918	.0000 3.304258+01 2.2325	.0000 1.1118 1.1118
35000.	34.229	235.330 234.794 4.649426+01	.000000+00 1547.775 1587.243	.000000+00 20.9260 21.406	.000 32.6705 32.724	.0000 79.852 7.2435	.0000 3.401442+01 2.2867	.0000 1.1100 1.1100
36000.	35.207	248.911 248.361 4.987537+01	.000000+00 1638.624 1679.790	.000000+00 21.2395 21.720	.000 33.2602 33.313	.0000 81.160 7.3950	.0000 3.498626+01 2.3429	.0000 1.1091 1.1092
37000.	36.185	262.876 262.311 5.311896+01	.000000+00 1732.095 1774.955	.000000+00 21.5520 22.032	.000 33.8081 33.860	.0000 82.485 7.5463	.0000 3.595810+01 2.4011	.0000 1.1088 1.1089
38000.	37.163	277.222 276.643 5.650849+01	.000000+00 1828.172 1872.691	.000000+00 21.8586 22.338	.000 34.3245 34.376	.0000 83.826 7.6982	.0000 3.692994+01 2.4612	.0000 1.1088 1.1089
39000.	38.141	291.952 291.358 6.004171+01	.000000+00 1926.839 1973.017	.000000+00 22.1557 22.634	.000 34.8167 34.868	.0000 85.185 7.8509	.0000 3.790178+01 2.5230	.0000 1.1091 1.1092
40000.	39.119	307.063 306.455 6.359367+01	.000000+00 2028.083 2075.948	.000000+00 22.4409 22.917	.000 35.2908 35.342	.0000 86.561 8.0048	.0000 3.887362+01 2.5866	.0000 1.1096 1.1097
41000.	40.097	322.558 321.934 6.698821+01	.000000+00 2131.894 2181.401	.000000+00 22.7123 23.187	.000 35.7514 35.803	.0000 87.956 8.1603	.0000 3.984546+01 2.6519	.0000 1.1102 1.1103
42000.	41.075	338.435 337.795 7.044899+01	.000000+00 2238.262 2289.512	.000000+00 22.9685 23.441	.000 36.2023 36.254	.0000 89.368 8.3177	.0000 4.081730+01 2.7189	.0000 1.1110 1.1111

ALTITUDE = 350000. FT.

P1 = 1.121046-07 ATM. , RHO1 = 1.255401-07 AMA. , T1 = 241.55 K
 S1/R = 39.166 , A1 = 1022.51 FT./SEC. , H1/R = 845.438 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
43000.	42.053	354.695 354.037 7.396164+01	.000000+00 2347.175 2400.236	.000000+00 23.2079 23.679	.000 36.6471 36.699	.0000 90.799 8.4774	.0000 4.178914+01 2.7875	.0000 1.1120 1.1122
44000.	43.031	371.337 370.662 7.750886+01	.000000+00 2458.625 2513.529	.000000+00 23.4298 23.899	.000 37.0892 37.141	.0000 92.246 8.6395	.0000 4.276098+01 2.8577	.0000 1.1132 1.1133
45000.	44.009	388.362 387.668 8.101051+01	.000000+00 2572.601 2629.373	.000000+00 23.6332 24.100	.000 37.5316 37.584	.0000 93.710 8.8041	.0000 4.373282+01 2.9295	.0000 1.1144 1.1145
46000.	44.987	405.769 405.055 8.441775+01	.000000+00 2689.092 2747.739	.000000+00 23.8171 24.282	.000 37.9780 38.031	.0000 95.191 8.9724	.0000 4.470466+01 3.0028	.0000 1.1159 1.1160
47000.	45.965	423.559 422.824 8.769433+01	.000000+00 2808.082 2868.734	.000000+00 23.9801 24.443	.000 38.4322 38.486	.0000 96.688 9.1444	.0000 4.567650+01 3.0776	.0000 1.1175 1.1177
48000.	46.943	441.731 440.974 9.077613+01	.000000+00 2929.557 2992.617	.000000+00 24.1209 24.584	.000 38.8981 38.953	.0000 98.199 9.3211	.0000 4.664834+01 3.1538	.0000 1.1194 1.1196
49000.	47.921	460.286 459.504 9.365868+01	.000000+00 3053.486 3119.063	.000000+00 24.2368 24.700	.000 39.3814 39.438	.0000 99.723 9.5034	.0000 4.762018+01 3.2313	.0000 1.1217 1.1219
50000.	48.899	479.224 478.416 9.647217+01	.000000+00 3179.869 3248.136	.000000+00 24.3262 24.790	.000 39.8885 39.948	.0000 101.261 9.6916	.0000 4.859202+01 3.3101	.0000 1.1243 1.1246

ALTITUDE = 360000. FT.

P1 = 7.513642-08 ATM. , RHO1 = 7.920103-08 AMA. , T1 = 255.75 K
 S1/R = 39.765 , A1 = 1052.13 FT./SEC. , H1/R = 895.122 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	5.703	7.504 7.325 1.725194-01	1.433891+03 38.484 42.363	2.163888+02 6.0314 6.535	6.703 6.4395 6.537	2.3701 43.295 2.2859	1.0011 3.512288+00 1.0042	1.2518 1.2017 1.1903
7000.	6.653	9.853 9.688 2.784568-01	4.344525+03 53.815 58.135	5.447041+02 7.3284 7.856	7.987 7.2720 7.318	2.5035 44.154 2.3647	1.0112 4.097669+00 1.0240	1.1603 1.1174 1.1157
8000.	7.604	12.563 12.417 4.192492-01	1.297764+04 71.897 76.526	1.420856+03 8.8915 9.412	8.964 7.7776 7.810	2.6444 45.120 2.4602	1.0317 4.683051+00 1.0543	1.1305 1.0994 1.0992
9000.	8.554	15.634 15.501 5.994665-01	3.867454+04 92.458 97.396	3.746095+03 10.4855 10.995	9.877 8.1920 8.219	2.8050 46.202 2.5648	1.0585 5.268432+00 1.0914	1.1254 1.0964 1.0966

ALTITUDE = 360000. FT.

P1 = 7.513642-08 ATM. , RH01 = 7.920103-08 AMA. , T1 = 255.75 K
 S1/R = 39.765 , A1 = 1052.13 FT./SEC. , H1/R = 895.122 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 RCP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
10000.	9.505	19.067 18.941 8.237808-01	1.140170+05 115.408 120.705	9.775189+03 11.9934 12.490	10.843 8.6048 8.632	2.9889 47.389 2.6858	1.0893 5.853813+00 1.1337	1.1310 1.1017 1.1021
11000.	10.455	22.861 22.736 1.097596+00	3.275067+05 140.596 146.350	2.471854+04 13.2144 13.681	11.950 9.1462 9.189	3.2069 48.661 2.8609	1.1227 6.439195+00 1.1788	1.1462 1.1279 1.1298
12000.	11.405	27.017 26.863 1.436400+00	9.008558+05 166.913 173.930	5.913097+04 13.0064 13.422	13.343 10.7578 10.860	3.4862 49.936 3.3851	1.1562 7.024576+00 1.2083	1.1779 1.3043 1.3057
13000.	12.356	31.534 31.336 1.844397+00	2.323870+06 194.987 203.620	1.299211+05 12.4436 12.918	15.295 12.9961 13.064	3.8615 51.053 3.5126	1.1842 7.609958+00 1.2218	1.2309 1.1595 1.1559
14000.	13.306	36.412 36.206 2.310087+00	5.525884+06 227.008 236.508	2.616333+05 13.1302 13.626	17.784 14.0277 14.071	4.1900 52.121 3.6090	1.2026 8.195339+00 1.2492	1.2274 1.1087 1.1080
15000.	14.257	41.651 41.447 2.842307+00	1.227933+07 261.927 272.069	5.074742+05 14.1049 14.604	20.077 14.6701 14.704	4.4145 53.217 3.7162	1.2205 8.780720+00 1.2830	1.1892 1.0947 1.0946
16000.	15.207	47.252 47.051 3.446664+00	2.610573+07 299.448 310.219	9.628319+05 15.1555 15.656	22.099 15.1597 15.189	4.6331 54.357 3.8236	1.2424 9.366102+00 1.3211	1.1690 1.0895 1.0895
17000.	16.158	53.214 53.016 4.127086+00	5.374032+07 339.477 350.839	1.789846+06 16.2158 16.715	23.985 15.5725 15.599	4.8601 55.547 3.9315	1.2676 9.951483+00 1.3626	1.1616 1.0873 1.0873
18000.	17.108	59.538 59.341 4.887412+00	1.075043+08 381.978 393.887	3.253065+06 17.2591 17.754	25.837 15.9397 15.965	5.0958 56.789 4.0406	1.2952 1.053686+01 1.4073	1.1603 1.0865 1.0866
19000.	18.059	66.223 66.027 5.732002+00	2.095336+08 426.929 439.431	5.780822+06 18.2685 18.760	27.709 16.2792 16.303	5.3408 58.083 4.1520	1.3246 1.112225+01 1.4549	1.1620 1.0866 1.0867
20000.	19.009	73.269 73.073 6.664360+00	3.983615+08 474.315 487.415	1.004180+07 19.2331 19.721	29.636 16.6018 16.625	5.5963 59.427 4.2663	1.3555 1.170763+01 1.5055	1.1657 1.0874 1.0875
21000.	19.960	80.676 80.480 7.688822+00	7.383412+08 524.124 537.917	1.703011+07 20.1433 20.629	31.639 16.9170 16.940	5.8633 60.820 4.3846	1.3876 1.229301+01 1.5588	1.1708 1.0885 1.0887
22000.	20.910	88.445 88.247 8.808226+00	1.335774+09 576.340 590.793	2.821970+07 20.9887 21.470	33.735 17.2336 17.256	6.1437 62.262 4.5076	1.4209 1.287839+01 1.6148	1.1775 1.0902 1.0903
23000.	21.860	96.576 96.374 1.002706+01	2.357482+09 630.950 646.123	4.564944+07 21.7610 22.239	35.937 17.5598 17.582	6.4384 63.749 4.6368	1.4552 1.346377+01 1.6733	1.1853 1.0925 1.0927

ALTITUDE = 360000. FT.

P1 = 7.513642-08 ATM. , RH01 = 7.920103-08 AMA. , T1 = 255.75 K
 S1/R = 39.765 , A1 = 1052.13 FT./SEC. , H1/R = 895.122 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
24000.	22.811	105.067 104.861 1.135025+01	4.062077+09 687.926 703.982	7.212544+07 22.4449 22.921	38.256 17.9093 17.933	6.7493 65.276 4.7748	1.4908 1.404915+01 1.7343	1.1943 1.0959 1.0961
25000.	23.761	113.920 113.707 1.278237+01	6.835703+09 747.224 764.311	1.113117+08 23.0148 23.491	40.703 18.3058 18.331	7.0804 66.841 4.9263	1.5278 1.463453+01 1.7974	1.2054 1.1011 1.1013
26000.	24.712	123.134 122.912 1.432968+01	1.123304+10 808.749 827.034	1.677444+08 23.4196 23.895	43.282 18.7952 18.824	7.4318 68.433 5.1030	1.5667 1.521992+01 1.8619	1.2179 1.1106 1.1110
27000.	25.662	132.710 132.472 1.600331+01	1.803138+10 872.239 891.869	2.468675+08 23.5162 23.981	45.999 19.5136 19.552	7.8067 70.039 5.3478	1.6080 1.580530+01 1.9261	1.2321 1.1344 1.1355
28000.	26.613	142.647 142.372 1.785051+01	2.828414+10 936.443 958.214	3.549346+08 22.6840 23.106	48.850 21.1155 21.201	8.2056 71.618 5.9181	1.6519 1.639068+01 1.9807	1.2476 1.2425 1.2471
29000.	27.563	152.945 152.595 1.992723+01	4.337444+10 1000.347 1025.802	4.988946+08 20.8130 21.248	51.829 24.2266 24.323	8.6264 73.065 6.2951	1.6987 1.697606+01 2.0099	1.2639 1.2154 1.2121
30000.	28.514	163.605 163.208 2.208992+01	6.508710+10 1068.894 1096.968	6.868036+08 20.2409 20.703	54.911 26.1555 26.227	9.0466 74.401 6.4193	1.7477 1.756144+01 2.0459	1.2751 1.1494 1.1484
31000.	29.464	174.626 174.201 2.436112+01	.000000+00 1141.203 1171.253	.000000+00 20.2138 20.686	.000 27.3905 27.451	.0000 75.701 6.5731	.0000 1.814682+01 2.0887	.0000 1.1271 1.1267
32000.	30.414	186.008 185.563 2.676008+01	.000000+00 1216.474 1248.272	.000000+00 20.3848 20.861	.000 28.3177 28.372	.0000 76.993 6.7282	.0000 1.873220+01 2.1356	.0000 1.1172 1.1171
33000.	31.365	197.752 197.290 2.929511+01	.000000+00 1294.449 1327.859	.000000+00 20.6436 21.122	.000 29.0769 29.128	.0000 78.288 6.8809	.0000 1.931758+01 2.1855	.0000 1.1121 1.1121
34000.	32.315	209.857 209.381 3.430554+01	.000000+00 1375.016 1409.949	.000000+00 20.9445 21.424	.000 29.7312 29.780	.0000 79.593 7.0317	.0000 1.990297+01 2.2379	.0000 1.1093 1.1094
35000.	33.266	222.323 221.834 3.688769+01	.000000+00 1458.112 1494.673	.000000+00 21.2644 21.745	.000 30.3148 30.363	.0000 80.912 7.1812	.0000 2.048835+01 2.2924	.0000 1.1078 1.1078
36000.	34.216	235.151 234.648 3.961267+01	.000000+00 1543.703 1581.848	.000000+00 21.5905 22.072	.000 30.8479 30.895	.0000 82.246 7.3299	.0000 2.107373+01 2.3490	.0000 1.1069 1.1070
37000.	35.167	248.340 247.825 4.238944+01	.000000+00 1631.764 1671.449	.000000+00 21.9155 22.397	.000 31.3434 31.390	.0000 83.597 7.4787	.0000 2.165911+01 2.4075	.0000 1.1065 1.1067

ALTITUDE = 360000. FT.

P1 = 7.513642-08 ATM. , RHO1 = 7.920103-08 AMA. , T1 = 255.75 K
 S1/R = 39.765 , A1 = 1052.13 FT./SEC. , H1/R = 895.122 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
38000.	36.117	261.891 261.362 4.497201+01	.000000+00 1722.277 1763.445	.000000+00 22.2338 22.713	.000 31.8109 31.857	.0000 84.966 7.6282	.0000 2.224449+01 2.4679	.0000 1.1066 1.1067
39000.	37.068	275.802 275.261 4.764834+01	.000000+00 1815.228 1857.961	.000000+00 22.5420 23.021	.000 32.2567 32.302	.0000 86.353 7.7785	.0000 2.282987+01 2.5301	.0000 1.1068 1.1069
40000.	38.018	290.075 289.520 5.041256+01	.000000+00 1910.606 1954.873	.000000+00 22.8375 23.315	.000 32.6861 32.732	.0000 87.759 7.9301	.0000 2.341525+01 2.5940	.0000 1.1073 1.1074
41000.	38.969	304.710 304.141 5.325957+01	.000000+00 2008.402 2054.158	.000000+00 23.1189 23.593	.000 33.1034 33.149	.0000 89.184 8.0832	.0000 2.400064+01 2.6597	.0000 1.1080 1.1081
42000.	39.919	319.706 319.122 5.592318+01	.000000+00 2108.605 2155.919	.000000+00 23.3843 23.857	.000 33.5121 33.558	.0000 90.627 8.2382	.0000 2.458602+01 2.7270	.0000 1.1088 1.1089
43000.	40.869	335.063 334.464 5.853317+01	.000000+00 2211.208 2260.179	.000000+00 23.6329 24.104	.000 33.9156 33.961	.0000 92.089 8.3951	.0000 2.517140+01 2.7959	.0000 1.1097 1.1098
44000.	41.820	350.781 350.167 6.113426+01	.000000+00 2316.202 2366.861	.000000+00 23.8637 24.333	.000 34.3166 34.363	.0000 93.569 8.5548	.0000 2.575678+01 2.8665	.0000 1.1108 1.1109
45000.	42.770	366.861 366.229 6.370243+01	.000000+00 2423.575 2475.939	.000000+00 24.0752 24.542	.000 34.7183 34.765	.0000 95.066 8.7175	.0000 2.634216+01 2.9386	.0000 1.1121 1.1123
46000.	43.721	383.302 382.653 6.620880+01	.000000+00 2533.316 2587.411	.000000+00 24.2663 24.731	.000 35.1238 35.171	.0000 96.581 8.8830	.0000 2.692754+01 3.0123	.0000 1.1135 1.1136
47000.	44.671	400.105 399.436 6.872220+01	.000000+00 2645.414 2701.360	.000000+00 24.4363 24.899	.000 35.5364 35.584	.0000 98.112 9.0525	.0000 2.751292+01 3.0874	.0000 1.1151 1.1153
48000.	45.622	417.269 416.578 7.107218+01	.000000+00 2759.725 2817.990	.000000+00 24.5822 25.046	.000 35.9603 36.009	.0000 99.658 9.2263	.0000 2.809830+01 3.1640	.0000 1.1170 1.1172
49000.	46.572	434.794 434.085 7.317229+01	.000000+00 2876.763 2937.139	.000000+00 24.7064 25.169	.000 36.4007 36.451	.0000 101.218 9.4054	.0000 2.868369+01 3.2419	.0000 1.1192 1.1194
50000.	47.523	452.680 451.946 7.490804+01	.000000+00 2995.677 3058.678	.000000+00 24.7997 25.264	.000 36.8632 36.916	.0000 102.792 9.5915	.0000 2.926907+01 3.3211	.0000 1.1218 1.1220

ALTITUDE = 370000. FT.

P1 = 5.197733-08 ATM. , RH01 = 4.925201-08 AMA. , T1 = 283.06 K
 S1/R = 40.488 , A1 = 1106.88 FT./SEC. , H1/R = 990.706 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	5.421	6.877 6.714 1.385061-01	1.064064+03 34.681 38.178	1.772258+02 6.0190 6.529	6.100 5.8379 5.919	2.3631 43.827 2.2753	1.0018 2.015115+00 1.0055	1.2346 1.1856 1.1752
7000.	6.324	8.999 8.852 2.223504-01	3.219951+03 48.537 52.389	4.512513+02 7.3875 7.916	7.163 6.5229 6.561	2.4853 44.690 2.3536	1.0139 2.350967+00 1.0266	1.1490 1.1124 1.1110
8000.	7.228	11.447 11.318 3.336312-01	9.703531+03 64.818 68.932	1.194479+03 8.9864 9.507	7.982 6.9516 6.979	2.6235 45.668 2.4479	1.0359 2.686820+00 1.0575	1.1246 1.0972 1.0970
9000.	8.131	14.223 14.105 4.759213-01	2.931375+04 83.317 87.686	3.201100+03 10.6102 11.115	8.762 7.3081 7.333	2.7813 46.766 2.5508	1.0637 3.022672+00 1.0949	1.1213 1.0946 1.0948
10000.	9.034	17.324 17.213 6.529145-01	8.777376+04 103.960 108.623	8.495979+03 12.1423 12.629	9.599 7.6686 7.696	2.9626 47.971 2.6711	1.0954 3.358525+00 1.1375	1.1277 1.1005 1.1010
11000.	9.938	20.752 20.641 8.693284-01	2.562026+05 126.588 131.749	2.183986+04 13.3441 13.819	10.570 8.1720 8.206	3.1794 49.261 2.8519	1.1296 3.694377+00 1.1825	1.1438 1.1304 1.1324
12000.	10.841	24.507 24.366 1.137850+00	7.153124+05 150.097 156.429	5.295007+04 12.9555 13.370	11.817 9.7551 9.850	3.4649 50.543 3.3953	1.1635 4.030229+00 1.2090	1.1797 1.3095 1.3079
13000.	11.745	28.588 28.411 1.459271+00	1.864783+06 175.470 183.192	1.169294+05 12.5157 12.994	13.636 11.6712 11.728	3.8579 51.661 3.4903	1.1903 4.366082+00 1.2235	1.2388 1.1501 1.1470
14000.	12.648	32.995 32.813 1.826172+00	4.459944+06 204.337 212.777	2.364866+05 13.2642 13.760	15.898 12.5385 12.574	4.1638 52.741 3.5870	1.2074 4.701934+00 1.2516	1.2203 1.1051 1.1045
15000.	13.552	37.729 37.549 2.245826+00	9.976835+06 235.769 244.795	4.634690+05 14.2742 14.774	17.874 13.0868 13.116	4.3721 53.852 3.6927	1.2258 5.037787+00 1.2858	1.1786 1.0925 1.0924
16000.	14.455	42.790 42.612 2.722053+00	2.140193+07 269.527 279.076	8.898360+05 15.3508 15.851	19.603 13.5092 13.534	4.5890 55.009 3.7982	1.2487 5.373639+00 1.3241	1.1623 1.0876 1.0876
17000.	15.358	48.177 48.002 3.258408+00	4.451940+07 305.537 315.623	1.674782+06 16.4349 16.934	21.221 13.8666 13.890	4.8106 56.218 3.9044	1.2749 5.709492+00 1.3658	1.1556 1.0856 1.0857
18000.	16.262	53.890 53.717 3.857633+00	9.008865+07 343.766 354.338	3.083270+06 17.5000 17.995	22.815 14.1856 14.207	5.0419 57.481 4.0119	1.3035 6.045344+00 1.4106	1.1548 1.0849 1.0850
19000.	17.165	59.930 59.758 4.523015+00	1.776057+08 384.198 395.261	5.547500+06 18.5309 19.022	24.430 14.4807 14.501	5.2821 58.797 4.1216	1.3338 6.381197+00 1.4584	1.1568 1.0851 1.0852

ALTITUDE = 370000. FT.

P1 = 5.197733-08 ATM. , RH01 = 4.925201-08 AMA. , T1 = 283.06 K
 S1/R = 40.488 , A1 = 1106.88 FT./SEC. , H1/R = 990.706 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
20000.	18.069	66.296 66.125 5.257713+00	3.415143+08 426.818 438.415	9.753903+06 19.5152 20.003	26.095 14.7622 14.782	5.5324 60.165 4.2343	1.3656 6.717049+00 1.5091	1.1604 1.0857 1.0858
21000.	18.972	72.989 72.817 6.064933+00	6.406238+08 471.619 483.831	1.675136+07 20.4450 20.931	27.831 15.0368 15.056	5.7956 61.583 4.3509	1.3986 7.052902+00 1.5626	1.1659 1.0869 1.0870
22000.	19.876	80.009 79.835 6.946920+00	1.171801+09 518.585 531.383	2.808064+07 21.3099 21.791	29.649 15.3128 15.332	6.0700 63.051 4.4722	1.4325 7.388754+00 1.6187	1.1720 1.0886 1.0887
23000.	20.779	87.354 87.178 7.906974+00	2.092387+09 567.703 581.104	4.598252+07 22.0989 22.575	31.563 15.5986 15.618	6.3580 64.565 4.5998	1.4673 7.724607+00 1.6774	1.1792 1.0909 1.0910
24000.	21.683	95.027 94.846 8.949753+00	3.646144+09 618.949 633.185	7.352059+07 22.7970 23.275	33.583 15.9063 15.926	6.6610 66.121 4.7360	1.5030 8.060459+00 1.7386	1.1875 1.0942 1.0944
25000.	22.586	103.026 102.839 1.007780+01	6.203559+09 672.285 687.405	1.148076+08 23.3800 23.856	35.718 16.2547 16.277	6.9818 67.715 4.8860	1.5397 8.396312+00 1.8018	1.1974 1.0995 1.0997
26000.	23.489	111.351 111.156 1.129670+01	1.030553+10 727.621 743.779	1.750759+08 23.7899 24.264	37.975 16.6896 16.716	7.3206 69.338 5.0621	1.5776 8.732164+00 1.8665	1.2085 1.1092 1.1096
27000.	24.393	120.003 119.794 1.261626+01	1.672490+10 784.699 802.093	2.608214+08 23.8660 24.331	40.362 17.3443 17.378	7.6808 70.974 5.3113	1.6170 9.068016+00 1.9307	1.2212 1.1347 1.1359
28000.	25.296	128.981 128.736 1.407824+01	2.652846+10 842.239 861.629	3.797221+08 22.8775 23.294	42.882 18.8956 18.977	8.0632 72.577 5.9340	1.6582 9.403869+00 1.9839	1.2353 1.2590 1.2636
29000.	26.200	138.286 137.974 1.571682+01	4.114277+10 899.697 922.410	5.405380+08 20.9793 21.419	45.532 21.7004 21.782	8.4652 74.035 6.2436	1.7014 9.739721+00 2.0123	1.2497 1.2046 1.2015
30000.	27.103	147.917 147.567 1.741739+01	6.242844+10 961.548 986.496	7.531570+08 20.4788 20.943	48.301 23.3335 23.394	8.8833 75.387 6.3689	1.7466 1.007557+01 2.0494	1.2637 1.1439 1.1430
31000.	28.007	157.874 157.501 1.920482+01	9.277847+10 1026.683 1053.336	1.029444+09 20.4883 20.961	51.164 24.3862 24.437	9.2898 76.707 6.5207	1.7929 1.041143+01 2.0930	1.2711 1.1234 1.1231
32000.	28.910	168.159 167.768 2.109344+01	.000000+00 1094.444 1122.628	.000000+00 20.6834 21.161	.000 25.1808 25.227	.0000 78.020 6.6733	.0000 1.074728+01 2.1404	.0000 1.1143 1.1142
33000.	29.814	178.769 178.366 2.308933+01	.000000+00 1164.681 1194.207	.000000+00 20.9622 21.441	.000 25.8336 25.877	.0000 79.339 6.8234	.0000 1.108313+01 2.1907	.0000 1.1095 1.1095

ALTITUDE = 370000. FT.

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 S1/R = 40.488 , A1 = 1106.88 FT./SEC. , H1/R = 990.706 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
34000.	30.717	189.706 189.289 2.519705+01	.000000+00 1237.120 1268.055	.000000+00 21.2780 21.758	.000 26.3976 26.439	.0000 80.670 6.9715	.0000 1.141898+01 2.2435	.0000 1.1069 1.1069
35000.	31.620	200.970 200.542 2.742065+01	.000000+00 1311.890 1344.197	.000000+00 21.6127 22.094	.000 26.9011 26.942	.0000 82.014 7.1183	.0000 1.175484+01 2.2984	.0000 1.1055 1.1055
36000.	32.524	212.560 212.121 2.976336+01	.000000+00 1388.900 1422.625	.000000+00 21.9526 22.435	.000 27.3617 27.402	.0000 83.375 7.2649	.0000 1.209069+01 2.3553	.0000 1.1047 1.1048
37000.	33.427	224.477 224.026 3.222684+01	.000000+00 1468.130 1503.210	.000000+00 22.2901 22.772	.000 27.7902 27.830	.0000 84.753 7.4112	.0000 1.242654+01 2.4142	.0000 1.1044 1.1045
38000.	34.331	236.720 236.258 3.481403+01	.000000+00 1549.563 1585.974	.000000+00 22.6202 23.101	.000 28.1945 28.234	.0000 86.151 7.5583	.0000 1.276239+01 2.4749	.0000 1.1044 1.1045
39000.	35.234	249.289 248.817 3.752790+01	.000000+00 1633.189 1670.928	.000000+00 22.9396 23.419	.000 28.5805 28.619	.0000 87.568 7.7061	.0000 1.309825+01 2.5374	.0000 1.1046 1.1047
40000.	36.138	262.185 261.701 4.037132+01	.000000+00 1718.998 1758.089	.000000+00 23.2462 23.724	.000 28.9524 28.991	.0000 89.004 7.8552	.0000 1.343410+01 2.6017	.0000 1.1051 1.1053
41000.	37.041	275.408 274.912 4.334601+01	.000000+00 1806.982 1847.382	.000000+00 23.5378 24.013	.000 29.3139 29.353	.0000 90.460 8.0060	.0000 1.376995+01 2.6676	.0000 1.1058 1.1059
42000.	37.944	288.957 288.449 4.427716+01	.000000+00 1897.131 1938.852	.000000+00 23.8132 24.286	.000 29.6680 29.707	.0000 91.935 8.1583	.0000 1.410580+01 2.7353	.0000 1.1065 1.1066
43000.	38.848	302.832 302.311 4.647169+01	.000000+00 1989.440 2032.581	.000000+00 24.0713 24.542	.000 30.0178 30.057	.0000 93.429 8.3133	.0000 1.444166+01 2.8046	.0000 1.1075 1.1076
44000.	39.751	317.034 316.499 4.840990+01	.000000+00 2083.898 2128.539	.000000+00 24.3106 24.779	.000 30.3657 30.405	.0000 94.943 8.4703	.0000 1.477751+01 2.8755	.0000 1.1085 1.1087
45000.	40.655	331.563 331.013 5.029319+01	.000000+00 2180.500 2226.634	.000000+00 24.5307 24.997	.000 30.7143 30.754	.0000 96.474 8.6300	.0000 1.511336+01 2.9479	.0000 1.1097 1.1099
46000.	41.558	346.418 345.853 5.209260+01	.000000+00 2279.233 2326.928	.000000+00 24.7301 25.195	.000 31.0664 31.106	.0000 98.024 8.7933	.0000 1.544921+01 3.0219	.0000 1.1111 1.1113
47000.	42.462	361.599 361.018 5.376852+01	.000000+00 2380.086 2429.400	.000000+00 24.9071 25.370	.000 31.4251 31.466	.0000 99.590 8.9601	.0000 1.578507+01 3.0974	.0000 1.1127 1.1129

ALTITUDE = 370000. FT.

P1 = 5.197733-08 ATM. , RHO1 = 4.925201-08 AMA. , T1 = 283.06 K
 S1/R = 40.488 , A1 = 1106.88 FT./SEC. , H1/R = 990.706 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
48000.	43.365	377.107 376.508 5.530310+01	.000000+00 2483.059 2534.259	.000000+00 25.0612 25.524	.000 31.7940 31.835	.0000 101.173 9.1314	.0000 1.612092+01 3.1743	.0000 1.1146 1.1148
49000.	44.269	392.941 392.324 5.687691+01	.000000+00 2588.099 2641.410	.000000+00 25.1888 25.653	.000 32.1773 32.220	.0000 102.770 9.3083	.0000 1.645677+01 3.2526	.0000 1.1167 1.1169
50000.	45.172	409.102 408.464 5.814452+01	.000000+00 2695.220 2750.733	.000000+00 25.2881 25.753	.000 32.5810 32.625	.0000 104.381 9.4914	.0000 1.679262+01 3.3322	.0000 1.1193 1.1195

ALTITUDE = 380000. FT.

P1 = 3.732453-08 ATM. , RHO1 = 3.198646-08 AMA. , T1 = 311.33 K
 S1/R = 41.153 , A1 = 1160.85 FT./SEC. , H1/R = 1089.668 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	5.169	6.343 6.195 .000000+00	8.077087+02 31.456 .000	1.477601+02 6.0131 .000	5.578 5.3212 .000	2.3536 44.317 .0000	1.0027 1.215734+00 .0000	1.2166 1.1720 .0000
7000.	6.030	8.272 8.141 .000000+00	2.443432+03 44.044 .000	3.804927+02 7.4435 .000	6.463 5.8909 .000	2.4691 45.184 .0000	1.0167 1.418357+00 .0000	1.1396 1.1093 .0000
8000.	6.892	10.499 10.383 .000000+00	7.425601+03 58.786 .000	1.020593+03 9.0739 .000	7.159 6.2586 .000	2.6051 46.173 .0000	1.0399 1.620979+00 .0000	1.1198 1.0944 .0000
9000.	7.753	13.022 12.917 .000000+00	2.271531+04 75.530 .000	2.775854+03 10.7241 .000	7.836 6.5686 .000	2.7604 47.285 .0000	1.0685 1.823602+00 .0000	1.1178 1.0931 .0000
10000.	8.614	15.842 15.743 5.289919-01	6.896132+04 94.210 98.341	7.478710+03 12.2781 12.752	8.569 6.8858 6.915	2.9395 48.508 2.6584	1.1010 2.026224+00 1.1411	1.1249 1.0995 1.1001
11000.	9.476	18.958 18.859 7.037871-01	2.041990+05 114.659 119.298	1.950654+04 13.4570 13.932	9.430 7.3582 7.389	3.1559 49.814 2.8467	1.1358 2.228846+00 1.1858	1.1421 1.1334 1.1360
12000.	10.337	22.372 22.243 9.213116-01	5.779133+05 135.791 141.545	4.785026+04 12.8946 13.310	10.563 8.9094 8.995	3.4492 51.100 3.3980	1.1699 2.431469+00 1.2096	1.1825 1.3075 1.3035
13000.	11.199	26.082 25.924 1.180053+00	1.519152+06 158.865 165.814	1.059224+05 12.5835 13.065	12.277 10.5509 10.599	3.8581 52.219 3.4709	1.1953 2.634091+00 1.2252	1.2459 1.1422 1.1395
14000.	12.060	30.089 29.927 1.475630+00	3.649297+06 185.037 192.609	2.151942+05 13.3880 13.885	14.324 11.2884 11.320	4.1377 53.309 3.5677	1.2113 2.836714+00 1.2539	1.2119 1.1021 1.1015

ALTITUDE = 380000. FT.

P1 = 3.732453-08 ATM. , RH01 = 3.198646-08 AMA. , T1 = 311.33 K
 S1/R = 41.153 , A1 = 1160.85 FT./SEC. , H1/R = 1089.668 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
15000.	12.922	34.393 34.233 1.813755+00	8.212728+06 213.495 221.587	4.258732+05 14.4266 14.928	16.036 11.7634 11.788	4.3333 54.433 3.6718	1.2305 3.039336+00 1.2884	1.1689 1.0905 1.0904
16000.	13.783	38.994 38.837 2.197331+00	1.777013+07 244.049 252.582	8.270238+05 15.5274 16.027	17.527 12.1313 12.153	4.5494 55.606 3.7758	1.2543 3.241958+00 1.3268	1.1563 1.0859 1.0859
17000.	14.644	43.892 43.737 2.629315+00	3.731385+07 276.637 285.627	1.573953+06 16.6334 17.132	18.930 12.4438 12.464	4.7667 56.833 3.8804	1.2814 3.444581+00 1.3687	1.1505 1.0842 1.0842
18000.	15.506	49.087 48.933 3.112123+00	7.628818+07 311.230 320.680	2.931145+06 17.7186 18.215	20.316 12.7236 12.742	4.9938 58.114 3.9865	1.3108 3.647203+00 1.4137	1.1502 1.0835 1.0836
19000.	16.367	54.578 54.426 3.648071+00	1.520645+08 347.815 357.707	5.336497+06 18.7685 19.260	21.726 12.9829 13.001	5.2302 59.450 4.0948	1.3420 3.849826+00 1.4617	1.1524 1.0837 1.0838
20000.	17.229	60.366 60.214 4.239698+00	2.954985+08 386.381 396.732	9.488477+06 19.7716 20.259	23.181 13.2304 13.247	5.4778 60.840 4.2061	1.3746 4.052448+00 1.5125	1.1566 1.0844 1.0845
21000.	18.090	66.451 66.299 4.889762+00	5.602979+08 426.917 437.814	1.647956+07 20.7181 21.205	24.700 13.4730 13.490	5.7362 62.281 4.3212	1.4084 4.255070+00 1.5661	1.1618 1.0856 1.0857
22000.	18.952	72.833 72.679 5.599724+00	1.035944+09 469.415 480.784	2.793415+07 21.6001 22.080	26.294 13.7160 13.733	6.0062 63.773 4.4410	1.4431 4.457693+00 1.6223	1.1678 1.0872 1.0873
23000.	19.813	79.512 79.355 6.372846+00	1.869231+09 513.860 525.772	4.623871+07 22.4054 22.880	27.975 13.9681 13.985	6.2902 65.312 4.5671	1.4785 4.660315+00 1.6812	1.1750 1.0895 1.0896
24000.	20.675	86.487 86.327 7.212329+00	3.289986+09 560.231 572.856	7.470175+07 23.1186 23.592	29.751 14.2398 14.258	6.5876 66.894 4.7018	1.5147 4.862938+00 1.7424	1.1829 1.0928 1.0930
25000.	21.536	93.760 93.595 8.120927+00	5.651944+09 608.491 621.950	1.178419+08 23.7117 24.187	31.630 14.5503 14.570	6.9005 68.515 4.8503	1.5515 5.065560+00 1.8058	1.1918 1.0981 1.0983
26000.	22.397	101.329 101.156 9.102615+00	9.482406+09 658.559 672.968	1.815857+08 24.1256 24.598	33.623 14.9404 14.964	7.2316 70.165 5.0260	1.5891 5.268182+00 1.8706	1.2022 1.1081 1.1085
27000.	23.259	109.195 109.010 1.016563+01	1.553963+10 710.185 725.685	2.733652+08 24.1819 24.644	35.736 15.5400 15.572	7.5809 71.828 5.2801	1.6276 5.470805+00 1.9349	1.2136 1.1354 1.1366
28000.	24.120	117.358 117.138 1.134873+01	2.488286+10 762.051 779.457	4.021202+08 23.0275 23.438	37.976 17.0522 17.130	7.9512 73.452 5.9523	1.6672 5.673427+00 1.9864	1.2265 1.2749 1.2789

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U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
29000.	24.982	125.817 125.538 1.266878+01	3.895804+10 814.073 834.472	5.784232+08 21.1355 21.578	40.342 19.5709 19.640	8.3413 74.920 6.1975	1.7082 5.876050+00 2.0146	1.2401 1.1951 1.1923
30000.	25.843	134.574 134.262 1.403583+01	5.966435+10 870.194 892.517	8.141392+08 20.6986 21.164	42.834 20.9699 21.021	8.7475 76.286 6.3239	1.7506 6.078672+00 2.0526	1.2534 1.1392 1.1385
31000.	26.705	143.627 143.296 1.547379+01	8.947834+10 929.204 953.019	1.123287+09 20.7399 21.214	45.433 21.8780 21.922	9.1577 77.624 6.4741	1.7939 6.281294+00 2.0968	1.2639 1.1202 1.1200
32000.	27.566	152.977 152.632 1.699354+01	.000000+00 990.563 1015.726	.000000+00 20.9563 21.435	.000 22.5671 22.607	.0000 78.958 6.6244	.0000 6.483917+00 2.1447	.0000 1.1118 1.1117
33000.	28.427	162.624 162.266 1.859993+01	.000000+00 1054.046 1080.514	.000000+00 21.2501 21.732	.000 23.1347 23.172	.0000 80.299 6.7721	.0000 6.686539+00 2.1954	.0000 1.1073 1.1073
34000.	29.289	172.568 172.200 2.029646+01	.000000+00 1119.724 1147.353	.000000+00 21.5827 22.064	.000 23.6263 23.663	.0000 81.651 6.9181	.0000 6.889161+00 2.2485	.0000 1.1049 1.1049
35000.	30.150	182.809 182.431 2.208610+01	.000000+00 1187.402 1216.241	.000000+00 21.9306 22.413	.000 24.0659 24.101	.0000 83.019 7.0627	.0000 7.091784+00 2.3037	.0000 1.1034 1.1035
36000.	31.012	193.347 192.959 2.397138+01	.000000+00 1257.105 1287.173	.000000+00 22.2829 22.766	.000 24.4681 24.503	.0000 84.404 7.2070	.0000 7.294406+00 2.3610	.0000 1.1027 1.1028
37000.	31.873	204.181 203.784 2.595400+01	.000000+00 1328.813 1360.081	.000000+00 22.6317 23.114	.000 24.8427 24.877	.0000 85.808 7.3514	.0000 7.497029+00 2.4201	.0000 1.1025 1.1026
38000.	32.735	215.312 214.905 2.803598+01	.000000+00 1402.516 1434.930	.000000+00 22.9726 23.454	.000 25.1964 25.230	.0000 87.232 7.4961	.0000 7.699651+00 2.4811	.0000 1.1025 1.1026
39000.	33.596	226.740 226.324 3.022009+01	.000000+00 1478.202 1511.788	.000000+00 23.3024 23.782	.000 25.5340 25.568	.0000 88.676 7.6419	.0000 7.902274+00 2.5439	.0000 1.1028 1.1029
40000.	34.458	238.465 238.039 3.250806+01	.000000+00 1555.863 1590.604	.000000+00 23.6188 24.096	.000 25.8595 25.893	.0000 90.140 7.7889	.0000 8.104896+00 2.6085	.0000 1.1032 1.1033
41000.	35.319	250.486 250.050 3.490188+01	.000000+00 1635.491 1671.369	.000000+00 23.9198 24.394	.000 26.1761 26.209	.0000 91.624 7.9376	.0000 8.307518+00 2.6747	.0000 1.1038 1.1040
42000.	36.180	262.805 262.358 3.740426+01	.000000+00 1717.081 1754.139	.000000+00 24.2041 24.676	.000 26.4864 26.520	.0000 93.128 8.0879	.0000 8.510141+00 2.7426	.0000 1.1046 1.1047

ALTITUDE = 380000. FT.

P1 = 3.732453-08 ATM. , RH01 = 3.198646-08 AMA. , T1 = 311.33 K
 S1/R = 41.153 , A1 = 1160.85 FT./SEC. , H1/R = 1089.668 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
43000.	37.042	275.420 274.962 4.001794+01	.000000+00 1800.624 1838.956	.000000+00 24.4709 24.941	.000 26.7929 26.826	.0000 94.652 8.2403	.0000 8.712763+00 2.8122	.0000 1.1055 1.1056
44000.	37.903	288.332 287.862 4.274415+01	.000000+00 1886.114 1925.746	.000000+00 24.7186 25.187	.000 27.0978 27.131	.0000 96.196 8.3955	.0000 8.915385+00 2.8834	.0000 1.1066 1.1067
45000.	38.765	301.541 301.058 4.558487+01	.000000+00 1973.542 2014.483	.000000+00 24.9461 25.412	.000 27.4035 27.437	.0000 97.759 8.5533	.0000 9.118008+00 2.9561	.0000 1.1078 1.1079
46000.	39.626	315.047 314.551 4.854278+01	.000000+00 2062.901 2105.200	.000000+00 25.1526 25.617	.000 27.7125 27.747	.0000 99.340 8.7140	.0000 9.320630+00 3.0305	.0000 1.1090 1.1092
47000.	40.488	328.850 328.339 5.162127+01	.000000+00 2154.181 2197.979	.000000+00 25.3368 25.800	.000 28.0275 28.062	.0000 100.939 8.8787	.0000 9.523253+00 3.1063	.0000 1.1107 1.1108
48000.	41.349	342.949 342.423 5.482410+01	.000000+00 2247.368 2292.931	.000000+00 25.4965 25.960	.000 28.3517 28.387	.0000 102.555 9.0477	.0000 9.725875+00 3.1835	.0000 1.1125 1.1126
49000.	42.211	357.346 356.803 5.815204+01	.000000+00 2342.448 2389.870	.000000+00 25.6299 26.095	.000 28.6892 28.726	.0000 104.186 9.2220	.0000 9.928497+00 3.2621	.0000 1.1146 1.1148
50000.	43.072	372.039 371.479 6.160775+01	.000000+00 2439.401 2488.785	.000000+00 25.7336 26.199	.000 29.0449 29.083	.0000 105.831 9.4028	.0000 1.013112+01 3.3420	.0000 1.1171 1.1173

ALTITUDE = 390000. FT.

P1 = 2.763332-08 ATM. , RH01 = 2.161671-08 AMA. , T1 = 339.27 K
 S1/R = 41.755 , A1 = 1211.81 FT./SEC. , H1/R = 1187.438 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
6000.	4.951	5.903 5.767 .000000+00	6.331127+02 28.801 .000	1.262336+02 6.0136 .000	5.139 4.8907 .000	2.3430 44.768 .0000	1.0038 7.699077-01 .0000	1.1995 1.1514 .0000
8000.	6.602	9.717 9.612 .000000+00	5.869796+03 53.806 .000	8.915930+02 9.1544 .000	6.489 5.6925 .000	2.5890 46.637 .0000	1.0436 1.026544+00 .0000	1.1157 1.0926 .0000
9000.	7.427	10.032 11.938 .000000+00	1.815849+04 69.098 .000	2.456900+03 10.8258 .000	7.085 5.9669 .000	2.7422 47.762 .0000	1.0729 1.154862+00 .0000	1.1149 1.0930 .0000
10000.	8.252	14.620 14.531 .000000+00	5.580264+04 86.154 .000	6.707319+03 12.3939 .000	7.737 6.2528 .000	2.9194 49.000 .0000	1.1060 1.283179+00 .0000	1.1226 1.0988 .0000

ALTITUDE = 390000. FT.

P1 = 2.763332-08 ATM. , RH01 = 2.161671-08 AMA. , T1 = 339.27 K
 S1/R = 41.755 , A1 = 1211.81 FT./SEC. , H1/R = 1187.438 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
11000.	9.077	17.480 17.390 5.811334-01	1.673711+05 104.814 108.989	1.772099+04 13.5606 14.023	8.512 6.6917 6.724	3.1360 50.321 2.8433	1.1414 1.411497+00 1.1889	1.1411 1.1369 1.1399
12000.	9.903	20.612 20.493 7.609358-01	4.792139+05 123.991 129.273	4.388367+04 12.8339 13.252	9.556 8.2139 8.292	3.4384 51.608 3.3949	1.1754 1.539815+00 1.2101	1.1863 1.3007 1.2947
13000.	10.728	24.017 23.873 9.733973-01	1.267846+06 145.166 151.476	9.719175+04 12.6480 13.132	11.190 9.6304 9.671	3.8593 52.728 3.4538	1.1991 1.668133+00 1.2268	1.2512 1.1356 1.1332
14000.	11.553	27.694 27.548 1.216379+00	3.055788+06 169.105 175.976	1.984230+05 13.5002 13.999	13.042 10.2676 10.295	4.1126 53.827 3.5506	1.2146 1.796451+00 1.2560	1.2035 1.0994 1.0990
15000.	12.378	31.644 31.499 1.494242+00	6.918398+06 195.108 202.424	3.962970+05 14.5664 15.068	14.543 10.6839 10.706	4.3030 54.964 3.6533	1.2347 1.924769+00 1.2907	1.1622 1.0888 1.0887
16000.	13.203	35.866 35.724 1.809514+00	1.508238+07 223.016 230.727	7.775898+05 15.6875 16.188	15.845 11.0094 11.028	4.5139 56.152 3.7559	1.2592 2.053087+00 1.3294	1.1512 1.0846 1.0846
17000.	14.029	40.360 40.221 2.164578+00	3.194846+07 252.779 260.910	1.495056+06 16.8135 17.313	17.079 11.2862 11.304	4.7280 57.394 3.8591	1.2870 2.181405+00 1.3714	1.1463 1.0828 1.0829
18000.	14.854	45.127 44.990 2.561236+00	6.594479+07 284.372 292.891	2.813818+06 17.9174 18.413	18.302 11.5346 11.551	4.9518 58.693 3.9639	1.3172 2.309723+00 1.4165	1.1465 1.0823 1.0824
19000.	15.679	50.167 50.030 3.001653+00	1.327071+08 317.782 326.704	5.175744+06 18.9843 19.476	19.549 11.7656 11.781	5.1849 60.047 4.0709	1.3491 2.438041+00 1.4646	1.1490 1.0825 1.0826
20000.	16.504	55.478 55.342 3.487797+00	2.604820+08 353.001 362.342	9.300215+06 20.0041 20.492	20.839 11.9861 12.001	5.4285 61.456 4.1809	1.3825 2.566359+00 1.5155	1.1530 1.0832 1.0833
21000.	17.329	61.062 60.926 4.021632+00	4.987472+08 390.020 399.801	1.631795+07 20.9671 21.451	22.187 12.2021 12.217	5.6833 62.918 4.2948	1.4170 2.694677+00 1.5692	1.1580 1.0843 1.0844
22000.	18.155	66.919 66.781 4.604963+00	9.309315+08 428.828 439.044	2.793187+07 21.8634 22.342	23.603 12.4198 12.435	5.9503 64.432 4.4133	1.4524 2.822995+00 1.6256	1.1641 1.0860 1.0861
23000.	18.980	73.047 72.907 5.240328+00	1.695054+09 469.415 480.164	4.666986+07 22.6824 23.158	25.097 12.6455 12.660	6.2294 65.993 4.5380	1.4886 2.951313+00 1.6846	1.1708 1.0882 1.0884
24000.	19.805	79.449 79.305 5.930072+00	3.011254+09 511.762 523.171	7.611714+07 23.4075 23.884	26.680 12.8894 12.905	6.5230 67.599 4.6715	1.5252 3.079631+00 1.7459	1.1786 1.0916 1.0917

ALTITUDE = 390000. FT.

P1 = 2.763332-08 ATM. , RH01 = 2.161671-08 AMA. , T1 = 339.27 K
 S1/R = 41.755 , A1 = 1211.81 FT./SEC. , H1/R = 1187.438 K

U1	M1	H0/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
25000.	20.630	86.122 85.975 6.676376+00	5.219791+09 555.834 567.977	1.211878+08 24.0115 24.487	28.356 13.1682 13.186	6.8315 69.244 4.8188	1.5624 3.207949+00 1.8094	1.1873 1.0968 1.0970
26000.	21.456	93.068 92.914 7.482958+00	8.832471+09 601.553 614.565	1.884006+08 24.4276 24.903	30.138 13.5230 13.543	7.1558 70.919 4.9940	1.6000 3.336267+00 1.8744	1.1969 1.1070 1.1074
27000.	22.281	100.286 100.121 8.356555+00	1.459538+10 648.679 662.658	2.861067+08 24.4635 24.925	32.030 14.0780 14.106	7.4981 72.607 5.2534	1.6383 3.464585+00 1.9386	1.2077 1.1363 1.1376
28000.	23.106	107.777 107.578 9.333299+00	2.356174+10 695.861 711.658	4.245216+08 23.1414 23.547	34.040 15.5599 15.634	7.8609 74.249 5.9684	1.6771 3.592903+00 1.9885	1.2200 1.2884 1.2915
29000.	23.931	115.540 115.288 1.041734+01	3.718750+10 743.434 761.929	6.159276+08 21.2821 21.728	36.175 17.8249 17.885	8.2411 75.725 6.1563	1.7168 3.721220+00 2.0168	1.2327 1.1869 1.1844
30000.	24.756	123.576 123.295 1.153875+01	5.740999+10 794.805 814.985	8.744038+08 20.9008 21.368	38.433 19.0411 19.086	8.6393 77.106 6.2838	1.7572 3.849538+00 2.0556	1.2457 1.1352 1.1345
31000.	25.582	131.884 131.586 1.271915+01	8.676698+10 848.750 870.265	1.216182+09 20.9700 21.445	40.808 19.8362 19.874	9.0451 78.460 6.4325	1.7983 3.977856+00 2.1003	1.2567 1.1176 1.1173
32000.	26.407	140.464 140.154 1.396699+01	1.285303+11 904.821 927.545	1.660896+09 21.2057 21.685	43.275 20.4423 20.477	9.4459 79.813 6.5809	1.8394 4.106174+00 2.1486	1.2634 1.1096 1.1095
33000.	27.232	149.317 148.996 1.528599+01	.000000+00 962.866 986.709	.000000+00 21.5155 21.997	.000 20.9431 20.976	.0000 81.173 6.7266	.0000 4.234492+00 2.1996	.0000 1.1054 1.1054
34000.	28.057	158.442 158.112 1.667916+01	.000000+00 1022.819 1047.757	.000000+00 21.8606 22.343	.000 21.3774 21.409	.0000 82.546 6.8705	.0000 4.362810+00 2.2530	.0000 1.1030 1.1030
35000.	28.882	167.839 167.501 1.814898+01	.000000+00 1084.642 1110.697	.000000+00 22.2205 22.704	.000 21.7662 21.797	.0000 83.935 7.0132	.0000 4.491128+00 2.3085	.0000 1.1017 1.1018
36000.	29.708	177.509 177.163 1.969688+01	.000000+00 1148.311 1175.446	.000000+00 22.5835 23.068	.000 22.1224 22.153	.0000 85.343 7.1555	.0000 4.619446+00 2.3660	.0000 1.1010 1.1011
37000.	30.533	187.452 187.097 2.132444+01	.000000+00 1213.812 1241.962	.000000+00 22.9431 23.426	.000 22.4542 22.484	.0000 86.770 7.2980	.0000 4.747764+00 2.4254	.0000 1.1008 1.1009
38000.	31.358	197.666 197.303 2.303400+01	.000000+00 1281.131 1310.312	.000000+00 23.2937 23.775	.000 22.7677 22.797	.0000 88.217 7.4411	.0000 4.876082+00 2.4867	.0000 1.1008 1.1009

ALTITUDE = 390000. FT.

P1 = 2.763332-08 ATM. , RHQ1 = 2.161671-08 AMA. , T1 = 339.27 K
 S1/R = 41.755 , A1 = 1211.81 FT./SEC. , H1/R = 1187.438 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 ROP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMEO GAMES GAMEOP
39000.	32.183	208.153 207.782 2.482709+01	.000000+00 1350.262 1380.457	.000000+00 23.6327 24.112	.000 23.0671 23.096	.0000 89.685 7.5850	.0000 5.004400+00 2.5497	.0000 1.1011 1.1012
40000.	33.009	218.913 218.533 2.670551+01	.000000+00 1421.196 1452.399	.000000+00 23.9580 24.435	.000 23.3558 23.385	.0000 91.174 7.7300	.0000 5.132718+00 2.6145	.0000 1.1015 1.1016
41000.	33.834	229.945 229.555 2.867137+01	.000000+00 1493.928 1526.171	.000000+00 24.2679 24.742	.000 23.6367 23.666	.0000 92.684 7.8767	.0000 5.261036+00 2.6810	.0000 1.1021 1.1022
42000.	34.659	241.249 240.850 3.072664+01	.000000+00 1568.450 1601.811	.000000+00 24.5603 25.033	.000 23.9122 23.941	.0000 94.215 8.0255	.0000 5.389354+00 2.7491	.0000 1.1029 1.1030
43000.	35.484	252.825 252.417 3.287254+01	.000000+00 1644.757 1679.252	.000000+00 24.8345 25.306	.000 24.1843 24.213	.0000 95.766 8.1758	.0000 5.517672+00 2.8190	.0000 1.1038 1.1039
44000.	36.309	264.674 264.255 3.511054+01	.000000+00 1722.843 1758.451	.000000+00 25.0898 25.558	.000 24.4552 24.484	.0000 97.338 8.3287	.0000 5.645990+00 2.8904	.0000 1.1047 1.1048
45000.	37.135	276.796 276.366 3.744276+01	.000000+00 1802.699 1839.460	.000000+00 25.3245 25.791	.000 24.7268 24.756	.0000 98.929 8.4846	.0000 5.774308+00 2.9634	.0000 1.1059 1.1060
46000.	37.960	289.190 288.748 3.987204+01	.000000+00 1884.320 1922.361	.000000+00 25.5376 26.002	.000 25.0015 25.031	.0000 100.539 8.6435	.0000 5.902626+00 3.0380	.0000 1.1072 1.1074
47000.	38.785	301.856 301.401 4.240154+01	.000000+00 1967.653 2007.264	.000000+00 25.7273 26.194	.000 25.2817 25.312	.0000 102.168 8.8061	.0000 6.030943+00 3.1141	.0000 1.1088 1.1089
48000.	39.610	314.794 314.326 4.503181+01	.000000+00 2052.814 2094.014	.000000+00 25.8934 26.361	.000 25.5704 25.602	.0000 103.813 8.9731	.0000 6.159261+00 3.1916	.0000 1.1105 1.1107
49000.	40.435	328.005 327.523 4.776337+01	.000000+00 2139.661 2182.461	.000000+00 26.0317 26.499	.000 25.8712 25.903	.0000 105.475 9.1455	.0000 6.287579+00 3.2705	.0000 1.1127 1.1128
50000.	41.261	341.489 340.991 5.059982+01	.000000+00 2228.221 2272.705	.000000+00 26.1397 26.607	.000 26.1887 26.222	.0000 107.152 9.3245	.0000 6.415897+00 3.3506	.0000 1.1152 1.1154

ALTITUDE = 400000. FT.

P1 = 2.107093-08 ATM. , RH01 = 1.442542-08 AMA. , T1 = 385.88 K
 S1/R = 42.478 , A1 = 1292.38 FT./SEC. , H1/R = 1350.593 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAME0 GAMES GAMEOP
9000.	6.964	10.699 10.618 .000000+00	1.296009+04 60.647 .000	2.025956+03 10.9163 .000	6.128 5.1988 .000	2.7232 48.286 .0000	1.0787 7.009578-01 .0000	1.1118 1.0927 .0000
10000.	7.738	12.974 12.897 .000000+00	4.034869+04 75.572 .000	5.609536+03 12.4855 .000	6.682 5.4508 .000	2.8986 49.538 .0000	1.1124 7.788420-01 .0000	1.1203 1.1037 .0000
11000.	8.511	15.489 15.411 .000000+00	1.226878+05 91.889 .000	1.502282+04 13.6260 .000	7.350 5.8462 .000	3.1164 50.872 .0000	1.1482 8.567262-01 .0000	1.1405 1.1471 .0000
12000.	9.285	18.243 18.136 6.264727-01	3.552880+05 108.560 113.227	3.749409+04 12.7263 13.150	8.284 7.2822 7.349	3.4346 52.155 3.3878	1.1820 9.346104-01 1.2107	1.1939 1.2861 1.2784
13000.	10.059	21.237 21.111 .000000+00	9.441235+05 127.216 .000	8.278224+04 12.7038 .000	9.796 8.4272 .000	3.8614 53.273 .0000	1.2031 1.012495+00 .0000	1.2538 1.1291 .0000
14000.	10.833	24.470 24.343 .000000+00	2.280469+06 148.212 .000	1.700911+05 13.6081 .000	11.370 8.9501 .000	4.0825 54.381 .0000	1.2185 1.090379+00 .0000	1.1922 1.0970 .0000
15000.	11.606	27.942 27.817 .000000+00	5.197694+06 170.993 .000	3.435109+05 14.7040 .000	12.612 9.2976 .000	4.2705 55.531 .0000	1.2397 1.168263+00 .0000	1.1559 1.0869 .0000
16000.	12.380	31.654 31.532 .000000+00	1.142892+07 195.433 .000	6.819130+05 15.8475 .000	13.690 9.5721 .000	4.4739 56.733 .0000	1.2651 1.246147+00 .0000	1.1453 1.0831 .0000
17000.	13.154	35.606 35.486 .000000+00	2.446217+07 221.494 .000	1.327094+06 16.9928 .000	14.723 9.8067 .000	4.6841 57.991 .0000	1.2937 1.324031+00 .0000	1.1415 1.0816 .0000
18000.	13.928	39.797 39.678 2.097347+00	5.105795+07 249.156 256.546	2.528695+06 18.1156 18.612	15.750 10.0178 10.032	4.9032 59.307 3.9419	1.3248 1.401916+00 1.4199	1.1419 1.0810 1.0811
19000.	14.702	44.227 44.110 2.457038+00	1.039216+08 278.409 286.134	4.708444+06 19.2008 19.693	16.800 10.2143 10.227	5.1327 60.680 4.0476	1.3576 1.479800+00 1.4681	1.1447 1.0812 1.0813
20000.	15.475	48.897 48.780 .000000+00	2.063077+08 309.244 .000	8.562324+06 20.2373 .000	17.889 10.4024 .000	5.3724 62.109 .0000	1.3918 1.557684+00 .0000	1.1488 1.0820 .0000
21000.	16.249	53.807 53.689 3.289891+00	3.994228+08 341.655 350.088	1.519800+07 21.2162 21.699	19.028 10.5870 10.599	5.6234 63.592 4.2689	1.4272 1.635568+00 1.5729	1.1539 1.0832 1.0833
22000.	17.023	58.955 58.837 3.766154+00	7.542836+08 375.634 384.425	2.632858+07 22.1288 22.604	20.228 10.7727 10.785	5.8868 65.128 4.3861	1.4635 1.713452+00 1.6294	1.1601 1.0847 1.0848

ALTITUDE = 400000. FT.

P1 = 2.107093-08 ATM. , RHO1 = 1.442542-08 AMA. , T1 = 385.88 K
 S1/R = 42.478 , A1 = 1292.38 FT./SEC. , H1/R = 1350.593 K

U1	M1	HO/H1 HS/H1 Q RT RN	PO/P1 PS/P1 POP/P1	RO/R1 RS/R1 ROP/R1	TO/T1 TS/T1 TOP/T1	AO/AA SS/R AOP/AA	ZO RE/FT. ZOP	GAMEO GAMES GAMEOP
23000.	17.797	64.344 64.224 4.285116+00	1.388332+09 411.170 420.452	4.448107+07 22.9628 23.437	21.495 10.9659 10.979	6.1626 66.712 4.5096	1.5005 1.791337+00 1.6885	1.1669 1.0870 1.0871
24000.	18.570	69.972 69.849 4.848364+00	2.492738+09 448.245 458.113	7.333757+07 23.7004 24.177	22.838 11.1756 11.189	6.4515 68.342 4.6418	1.5379 1.869221+00 1.7500	1.1744 1.0903 1.0905
25000.	19.344	75.839 75.713 5.457989+00	4.365758+09 486.829 497.384	1.179935+08 24.3102 24.790	24.265 11.4180 11.432	6.7550 70.012 4.7881	1.5757 1.947105+00 1.8136	1.1827 1.0957 1.0959
26000.	20.118	81.946 81.814 6.116129+00	7.460570+09 526.857 538.077	1.853031+08 24.7316 25.205	25.781 11.7253 11.743	7.0736 71.713 4.9630	1.6137 2.024989+00 1.8786	1.1919 1.1061 1.1065
27000.	20.892	88.292 88.149 6.829997+00	1.244738+10 568.063 580.172	2.841950+08 24.7382 25.199	27.397 12.2212 12.246	7.4092 73.425 5.2298	1.6520 2.102873+00 1.9428	1.2020 1.1379 1.1393
28000.	21.665	94.878 94.704 7.632394+00	2.028459+10 609.202 622.981	4.258223+08 23.2122 23.614	29.120 13.6286 13.695	7.7649 75.084 5.9841	1.6904 2.180757+00 1.9906	1.2138 1.3005 1.3018
29000.	22.439	101.704 101.485 8.516429+00	3.230677+10 650.992 667.059	6.236837+08 21.4278 21.876	30.956 15.5551 15.604	8.1381 76.568 6.1151	1.7291 2.258642+00 2.0193	1.2262 1.1783 1.1761
30000.	23.213	108.768 108.527 9.430490+00	5.031647+10 696.045 713.544	8.936019+08 21.1051 21.574	32.910 16.5630 16.600	8.5282 77.962 6.2440	1.7680 2.336526+00 2.0589	1.2387 1.1311 1.1305
31000.	23.987	116.073 115.817 1.039346+01	7.670136+10 743.326 761.968	1.253984+09 21.2041 21.681	34.978 17.2282 17.260	8.9295 79.334 6.3912	1.8070 2.414410+00 2.1041	1.2501 1.1149 1.1147
32000.	24.761	123.617 123.351 1.141150+01	1.145449+11 792.482 812.106	1.726312+09 21.4608 21.940	37.146 17.7379 17.767	9.3315 80.705 6.5374	1.8458 2.492294+00 2.1528	1.2586 1.1073 1.1073
33000.	25.534	131.400 131.125 1.248787+01	.000000+00 843.294 863.919	.000000+00 21.7858 22.268	.000 18.1604 18.188	.0000 82.085 6.6811	.0000 2.570178+00 2.2042	.0000 1.1034 1.1034
34000.	26.308	139.423 139.140 1.362482+01	.000000+00 895.804 917.374	.000000+00 22.1448 22.629	.000 18.5275 18.554	.0000 83.480 6.8229	.0000 2.648063+00 2.2579	.0000 1.1012 1.1012
35000.	27.082	147.685 147.395 1.482414+01	.000000+00 949.948 972.465	.000000+00 22.5171 23.002	.000 18.8566 18.883	.0000 84.891 6.9637	.0000 2.725947+00 2.3136	.0000 1.1000 1.1000
36000.	27.856	156.187 155.890 1.608692+01	.000000+00 1005.706 1029.105	.000000+00 22.8917 23.376	.000 19.1584 19.184	.0000 86.322 7.1041	.0000 2.803831+00 2.3714	.0000 1.0993 1.0994

ALTITUDE = 400000. FT.

P1 = 2.107093-08 ATM. , RHO1 = 1.442542-08 AMA. , T1 = 385.88 K
 S1/R = 42.478 , A1 = 1292.38 FT./SEC. , H1/R = 1350.593 K

U1	M1	H0/H1 HS/H1 Q RT RN	P0/P1 PS/P1 POP/P1	R0/R1 RS/R1 RCP/R1	T0/T1 TS/T1 TOP/T1	A0/AA SS/R AOP/AA	Z0 RE/FT. ZOP	GAMED GAMES GAMEOP
37000.	28.629	164.928 164.624 1.741504+01	.000000+00 1063.067 1087.340	.000000+00 23.2618 23.744	.000 19.4399 19.465	.0000 87.772 7.2445	.0000 2.881715+00 2.4311	.0000 1.0990 1.0991
38000.	29.403	173.908 173.598 1.881006+01	.000000+00 1122.021 1147.173	.000000+00 23.6231 24.104	.000 19.7058 19.730	.0000 89.244 7.3858	.0000 2.959599+00 2.4926	.0000 1.0991 1.0992
39000.	30.177	183.129 182.811 2.027324+01	.000000+00 1182.559 1208.581	.000000+00 23.9719 24.451	.000 19.9599 19.984	.0000 90.738 7.5279	.0000 3.037484+00 2.5558	.0000 1.0994 1.0995
40000.	30.951	192.588 192.264 2.180615+01	.000000+00 1244.677 1271.583	.000000+00 24.3063 24.783	.000 20.2051 20.229	.0000 92.253 7.6713	.0000 3.115368+00 2.6209	.0000 1.0999 1.1000
41000.	31.724	202.287 201.955 2.341051+01	.000000+00 1308.368 1336.203	.000000+00 24.6248 25.100	.000 20.4438 20.468	.0000 93.789 7.8159	.0000 3.193252+00 2.6876	.0000 1.1004 1.1005
42000.	32.498	212.226 211.886 2.508807+01	.000000+00 1373.627 1402.472	.000000+00 24.9261 25.401	.000 20.6778 20.702	.0000 95.347 7.9625	.0000 3.271136+00 2.7560	.0000 1.1011 1.1013
43000.	33.272	222.404 222.056 2.683902+01	.000000+00 1440.449 1470.266	.000000+00 25.2084 25.681	.000 20.9092 20.934	.0000 96.927 8.1113	.0000 3.349020+00 2.8261	.0000 1.1020 1.1021
44000.	34.046	232.822 232.464 2.866506+01	.000000+00 1508.829 1539.601	.000000+00 25.4711 25.941	.000 21.1395 21.164	.0000 98.527 8.2622	.0000 3.426905+00 2.8978	.0000 1.1030 1.1031
45000.	34.819	243.479 243.112 3.056775+01	.000000+00 1578.760 1610.492	.000000+00 25.7131 26.180	.000 21.3707 21.395	.0000 100.148 8.4160	.0000 3.504789+00 2.9711	.0000 1.1041 1.1042
46000.	35.593	254.376 253.999 3.255028+01	.000000+00 1650.236 1683.113	.000000+00 25.9330 26.400	.000 21.6046 21.630	.0000 101.788 8.5730	.0000 3.582673+00 3.0459	.0000 1.1054 1.1055
47000.	36.367	265.512 265.125 3.461431+01	.000000+00 1723.293 1757.460	.000000+00 26.1302 26.597	.000 21.8433 21.869	.0000 103.447 8.7336	.0000 3.660557+00 3.1222	.0000 1.1069 1.1070
48000.	37.141	276.887 276.488 3.676046+01	.000000+00 1797.789 1833.418	.000000+00 26.3010 26.770	.000 22.0893 22.116	.0000 105.123 8.8986	.0000 3.738441+00 3.2000	.0000 1.1086 1.1088
49000.	37.915	288.502 288.091 3.898930+01	.000000+00 1873.845 1910.861	.000000+00 26.4446 26.914	.000 22.3460 22.373	.0000 106.817 9.0688	.0000 3.816326+00 3.2792	.0000 1.1108 1.1109
50000.	38.688	300.357 299.933 4.130238+01	.000000+00 1951.400 1989.757	.000000+00 26.5569 27.025	.000 22.6175 22.645	.0000 108.526 9.2456	.0000 3.894210+00 3.3596	.0000 1.1132 1.1134

TABLE 2

COMPARISON OF ARDC (1959) AND U. S. STANDARD (1962) MODEL ATMOSPHERES

Geometric Altitude, kilofeet	p_1	ρ_1	T_1	H_1/R^\dagger	a_1^\dagger
0	--	--	--	-0.4	--
70	-0.06	0.52	-0.57	-1.06	-0.32
100	-0.8	-3.16	2.50	2.00	1.21
120	2.44	-1.58	4.12	3.62	2.00
160	9.41	4.77	4.45	3.98	2.15
170	11.2	6.45	4.34	3.98	2.15
200	14.1	16.09	-1.75	-2.22	-0.92
220	11.15	15.5	-3.76	-4.21	-1.93
250	2.74	10.2	-6.74	-7.16	-3.45
280	-11.25	-2.96	-8.29	-8.70	-4.27

*Data shown were computed from

$$\text{percent difference} = \frac{100 \left[x(1959) - x(1962) \right]}{x(1962)}$$

$^\dagger H(1959)$ and $a(1959)$ were obtained from Wittliff and Curtis (Ref. 2).

TABLE 3

COMPARISON OF PRESENT WITH PREVIOUS PERFECT GAS RESULTS*

Altitude, kilofeet	70	100	120	170	200	220	250	280
Velocity x 10 ⁻³	36	26	40	35	26	28	45	32
M ₁	0.33	-1.19	-1.95	-2.13	0.92	1.97	3.57	4.46
ρ_S/ρ_1	-0.79	0.24	-0.86	-0.49	-0.56	-0.49	-0.73	0.14
p_S/p_1	0.44	-2.47	-4.03	-4.35	1.70	3.79	7.10	8.98
T_S/T_1	1.38	-2.64	-3.41	-3.75	2.62	4.56	7.93	8.96
H_S/H_1	1.03	-1.99	-3.53	-3.85	2.17	4.33	7.64	9.46
H_O/H_1	1.09	-1.96	-3.47	-3.83	2.23	4.38	7.66	9.50
p_O'/p_1	0.44	-2.52	-4.07	-4.35	1.67	11.6	7.12	8.92
T_O'/T_1	1.34	-2.54	-3.35	-3.71	2.59	8.83	7.97	8.97

*Data shown were computed from

$$\text{percent difference} = \frac{100 \left[x(\text{Marrone}) - x(\text{Present Results}) \right]}{x(\text{Present Results})}$$